

FIG. 1A

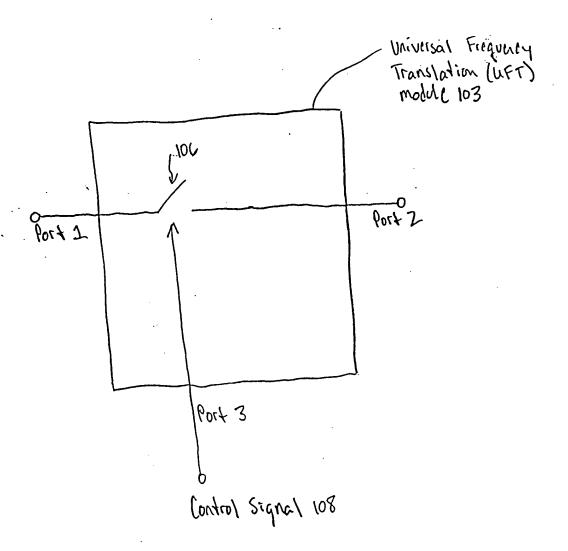


FIG. 1B

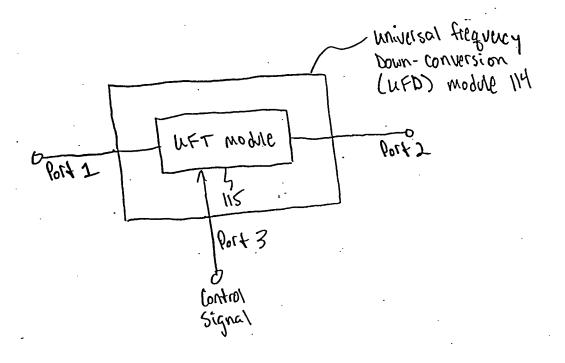


FIG. 1C

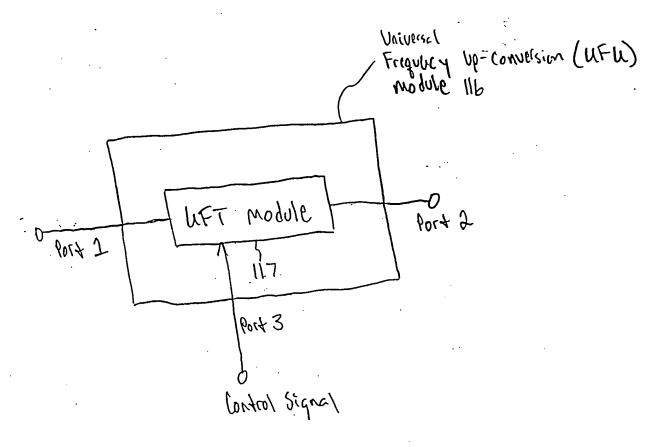


FIG. 10

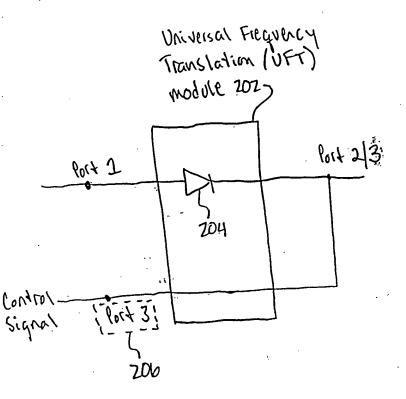
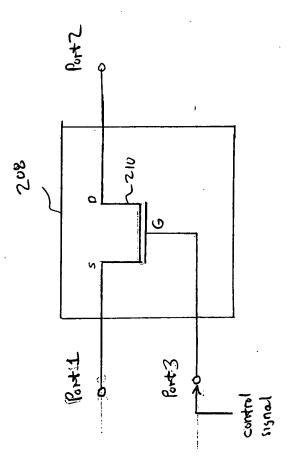


FIG. 2A



Fzc. 2B



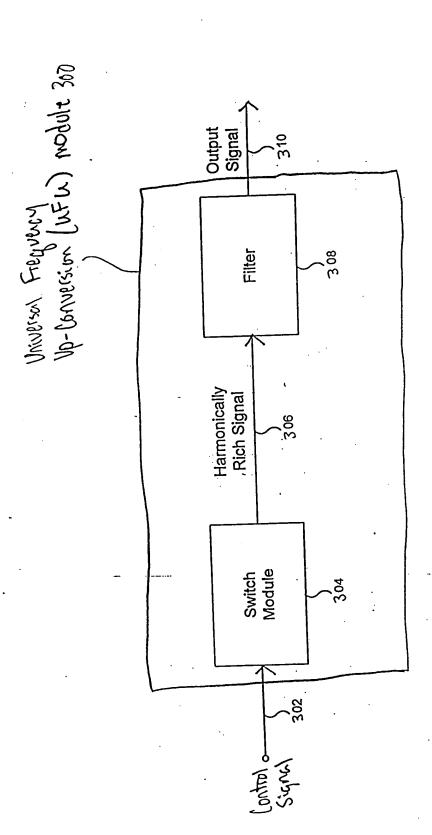


FIG. 3

Universal Frequenty
Up-conversion (WELL) module 4017

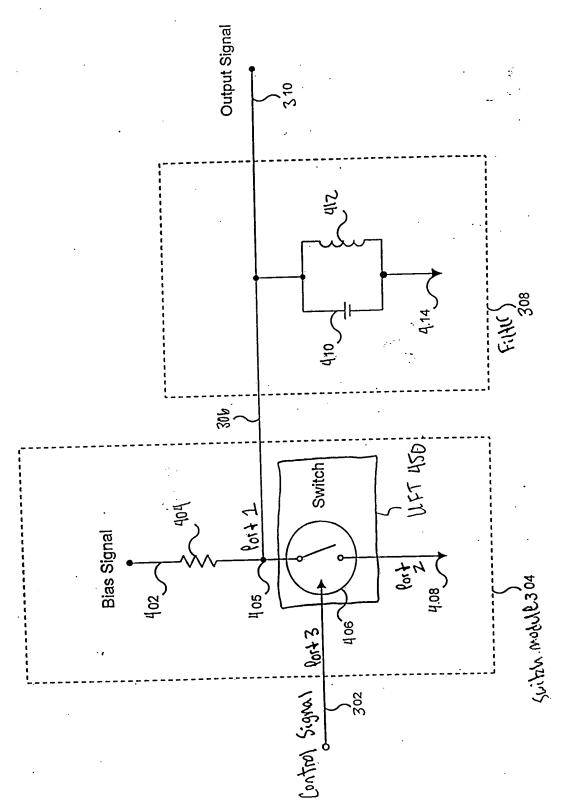


FIG. 4

Universal Frequency
Up-conversion
(UKFU) Module 590

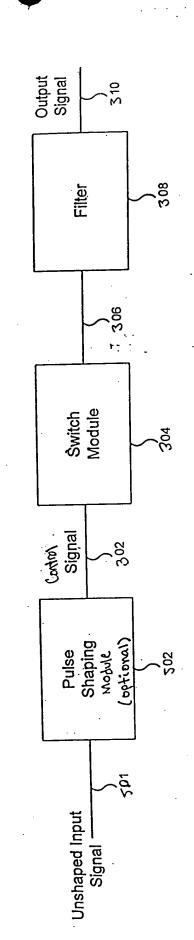
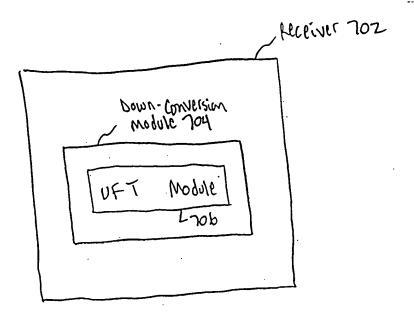


FIG.

HARMONICS OF SIGNALSSAIO AND 1/2 (SHOWN SIMULTANFOUSLY BUT NOT SUMMED)

FILTERED OUTPUT SIGNAL

FIG 6 Cont



FI6.7

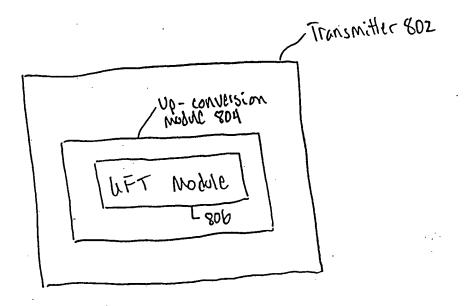


FIG. 8

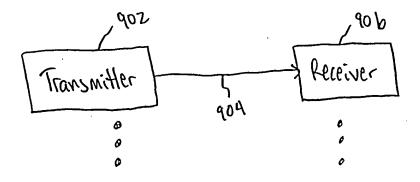


FIG. 9

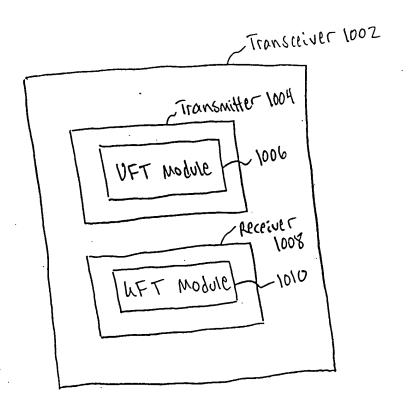


FIG. 10

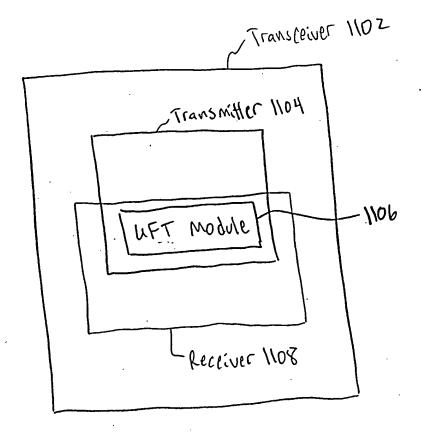


FIG. 11

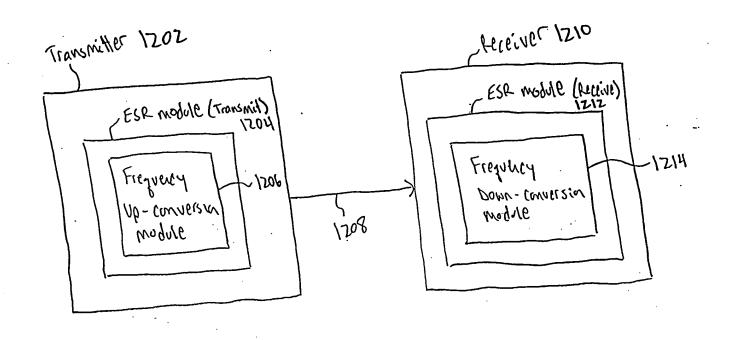
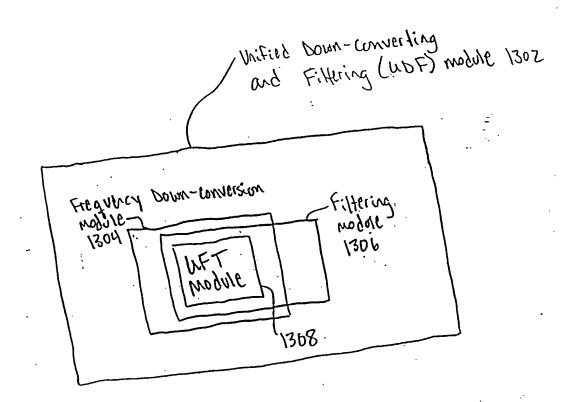


FIG. 12



FI6.13

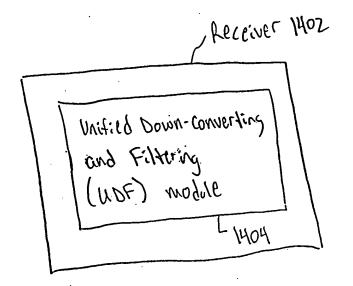


FIG. 14

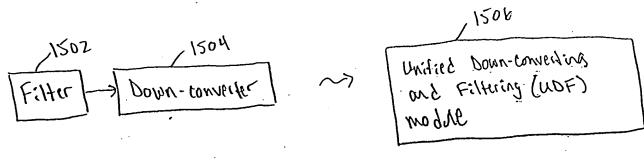
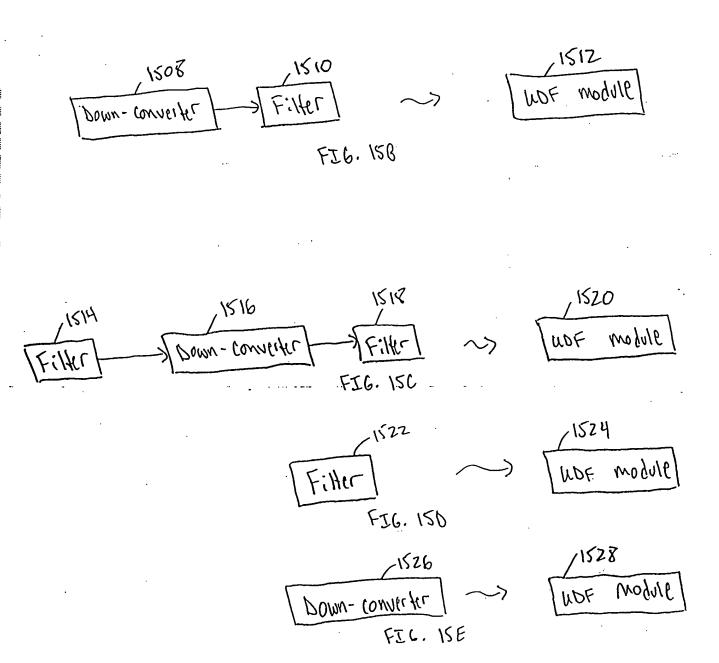


FIG. 15A



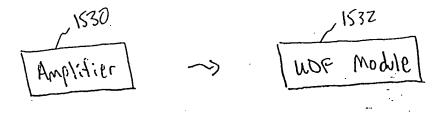


FIG. 1SF

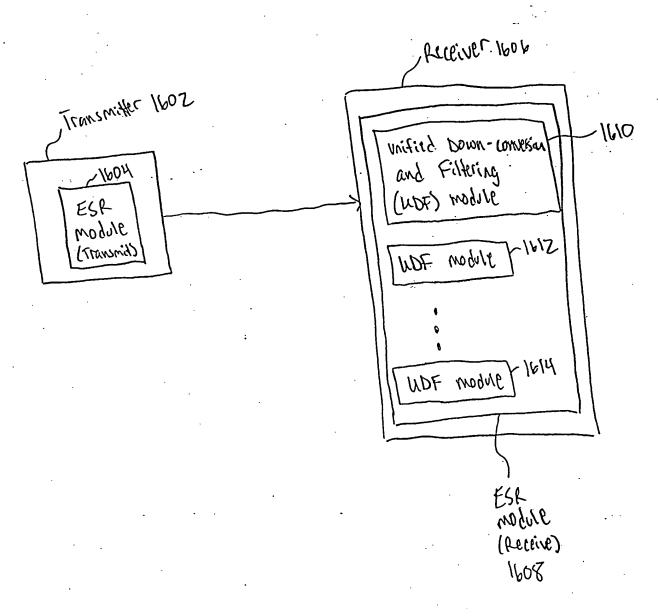


FIG. 16

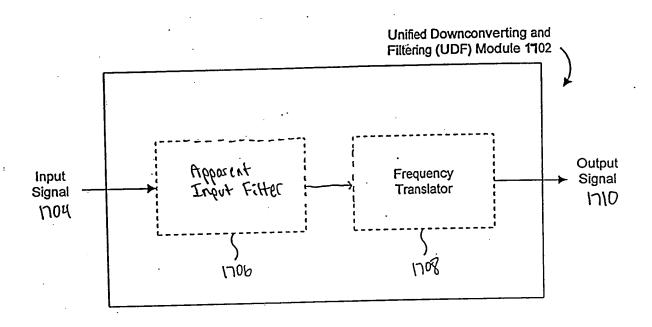


FIG. 17

Time		t-1 (rising edge of ϕ_1)		t-1 (rising edge of ∳₂)		t (rising edge of ∳₁)		t (rising edge of φ₂)		t+1. (rising edge of φ ₁)	
1902	VI _{t-1}	1804	VI _{t-1}	1808	VI _t	<u>1816</u>	Vit	<u>1826</u>	∨ I _{t+1}	<u>1838</u>	
1904	- 		VI _{t-1}	1810	VI _{t-1}	<u> 1818</u>	VI	<u>1828</u>	VI _t	<u>1840</u>	
1906	VO _{t-1}	1806	VO _{t-1}	1812	VO _t	1820	VO _t	<u>1930</u>	VO _{t+1}	1842	
1408	 - 		VO ₆₋₁	1814	VO _{t-1}	1822	VO,	<u>1832</u>	VO,	<u>1844</u>	
1910	-	1807	_		VO _{t-1}	<u>1824</u>	VO _{t-1}	<u> 1834</u>	٧٥,	<u>1846</u>	
1912	-		_	<u>1815</u>	-		VO _{t-1}	<u>1836</u>	VO _{t-1}	<u>1848</u>	
1918			_		_				VI _t - <u>1850</u> 0.1 * VO _t - 0.8 * VO _{t-1}		

FIG. 18

USE NO BULL 1972

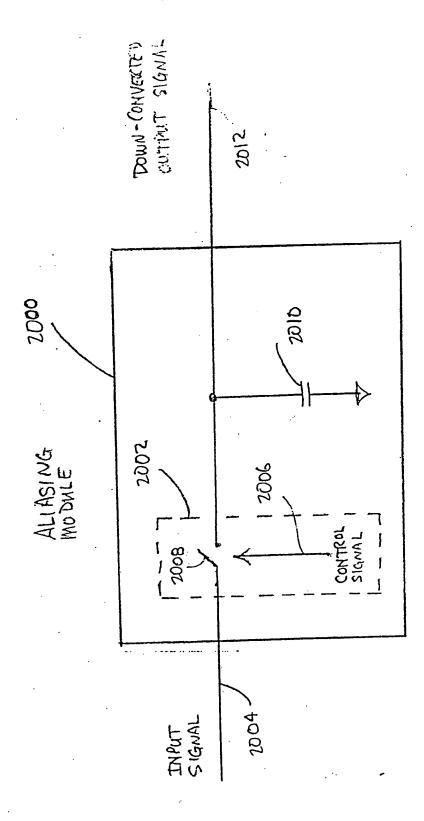
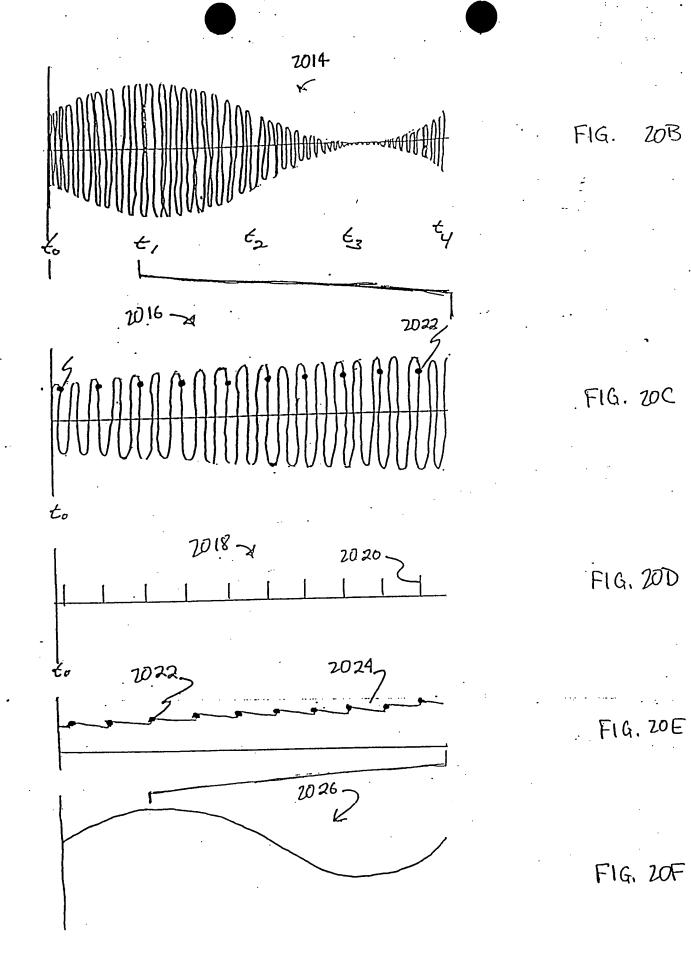
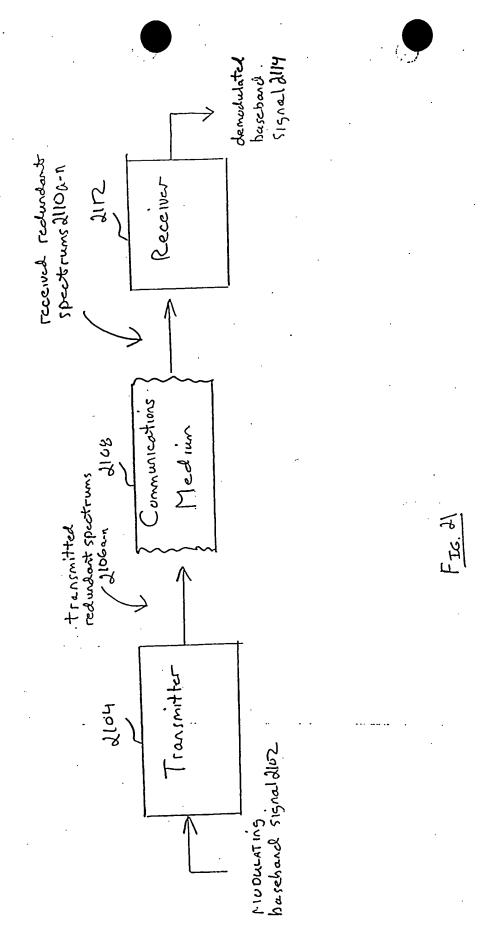


FIG. 30A

FIG. 20A-1





W

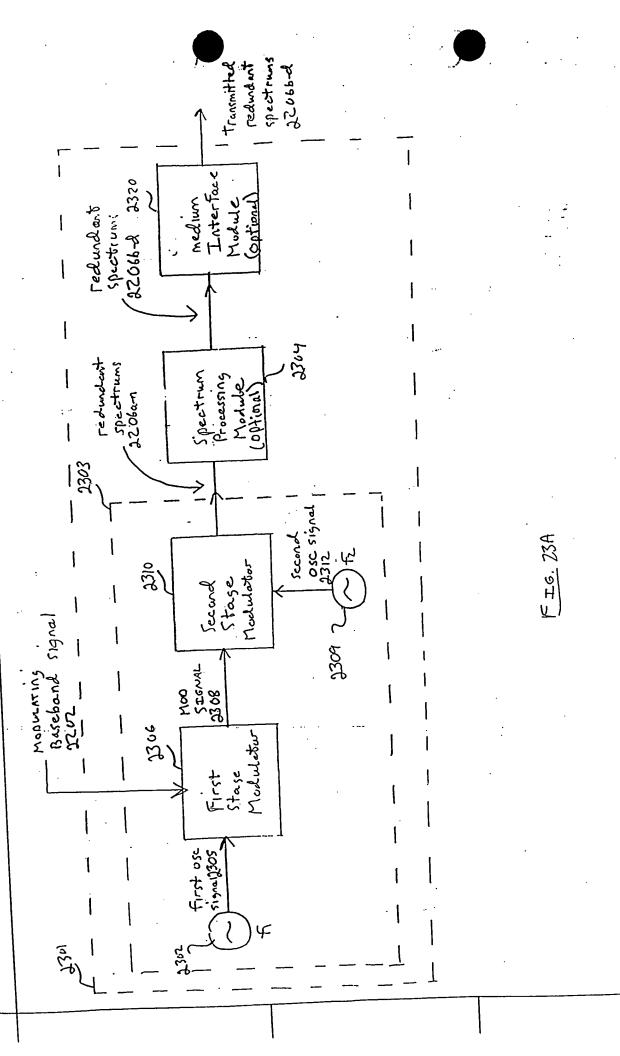
22.10d

(F,+F)

42-349 AN AMERICA STOWARE AS-922 I TO RECYCLED WHITE \$ SOUNAGE 43-369 I TO RECYCLED WHITE \$ SOUNAGE 14-349 IN THE STOWARE 14-349 IN THE STOWARD 14-349 IN

W

ĺw



43-332 100 RECYCLED WHITE 5 SOULARE
43-330 200 RECYCLED WHITE 6 SOULARE
LIMIT THE PURE

12392 100 RECYCLED WHITE S SOUVRE 12399 - 200 RECYCLED WHITE S SOUVRE WORD NO.5.A

>!

M

W

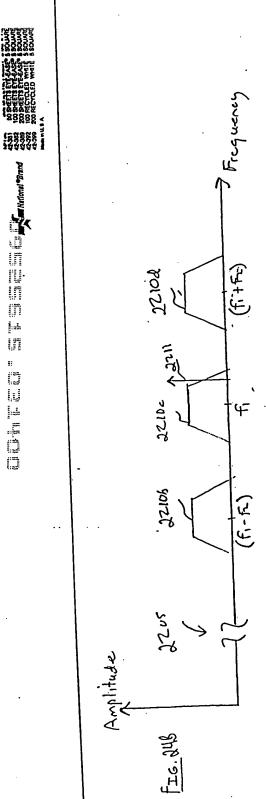
42-382 IDD RECYCLED WHITE S SOUNAE

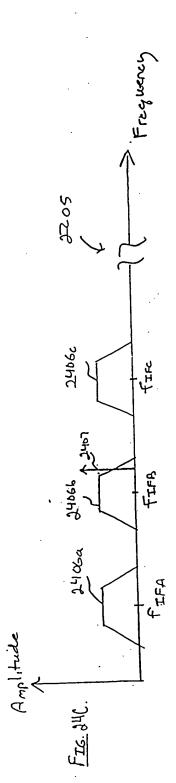
٦į

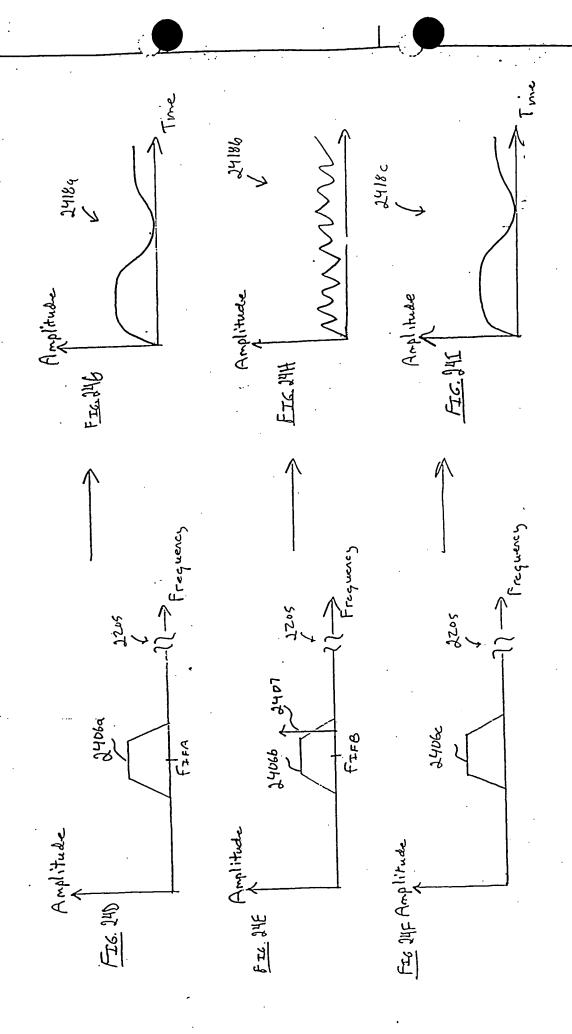
42.332 200 RECYCLED WHITE \$ SOLUTE 42.332 200 RECYCLED WHITE \$ SOLUTE HAD BUILD

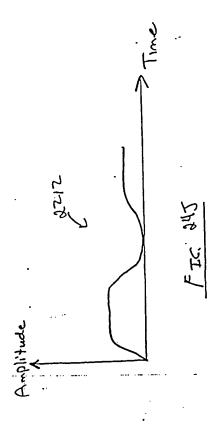
W

F-EC. 23E

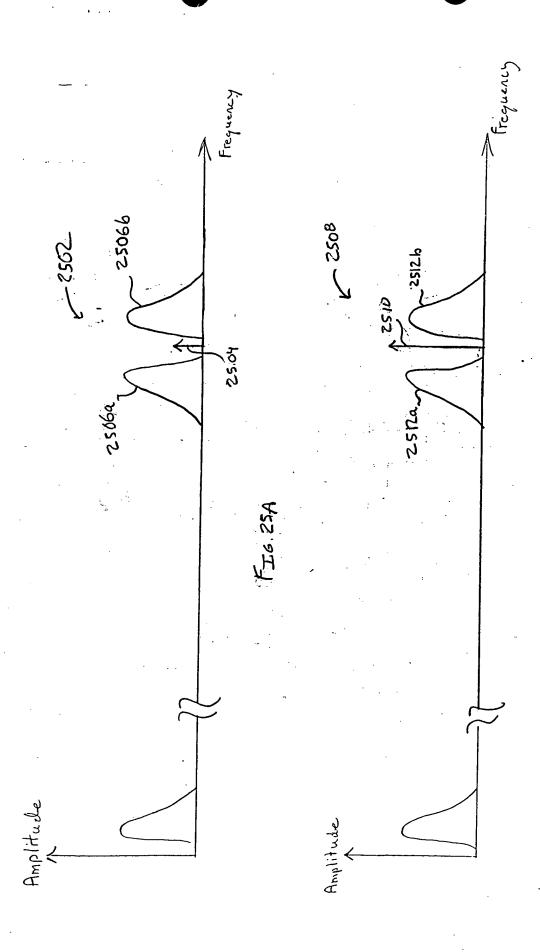


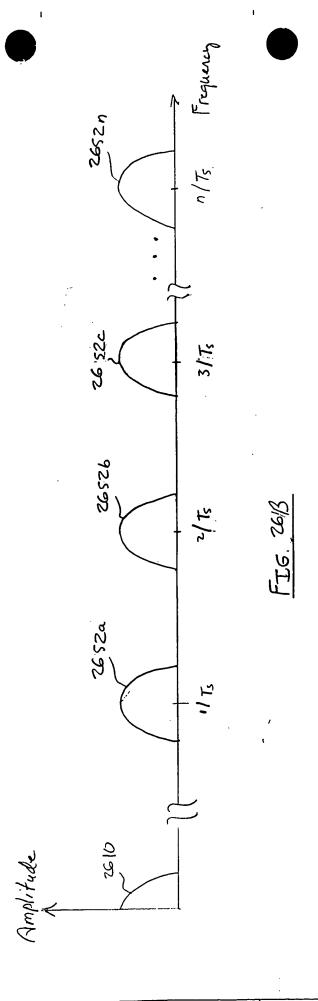






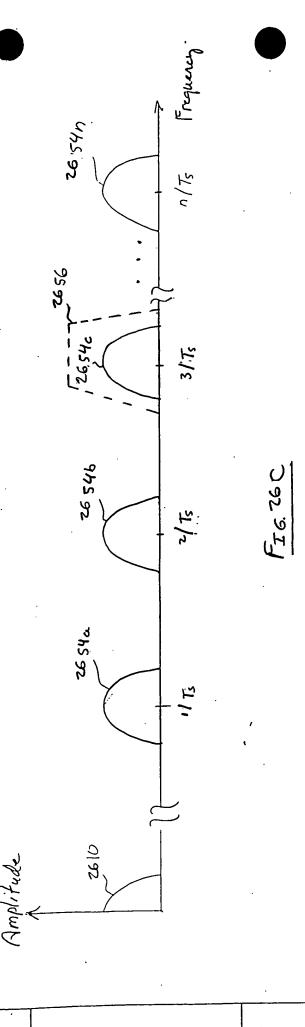
1/\



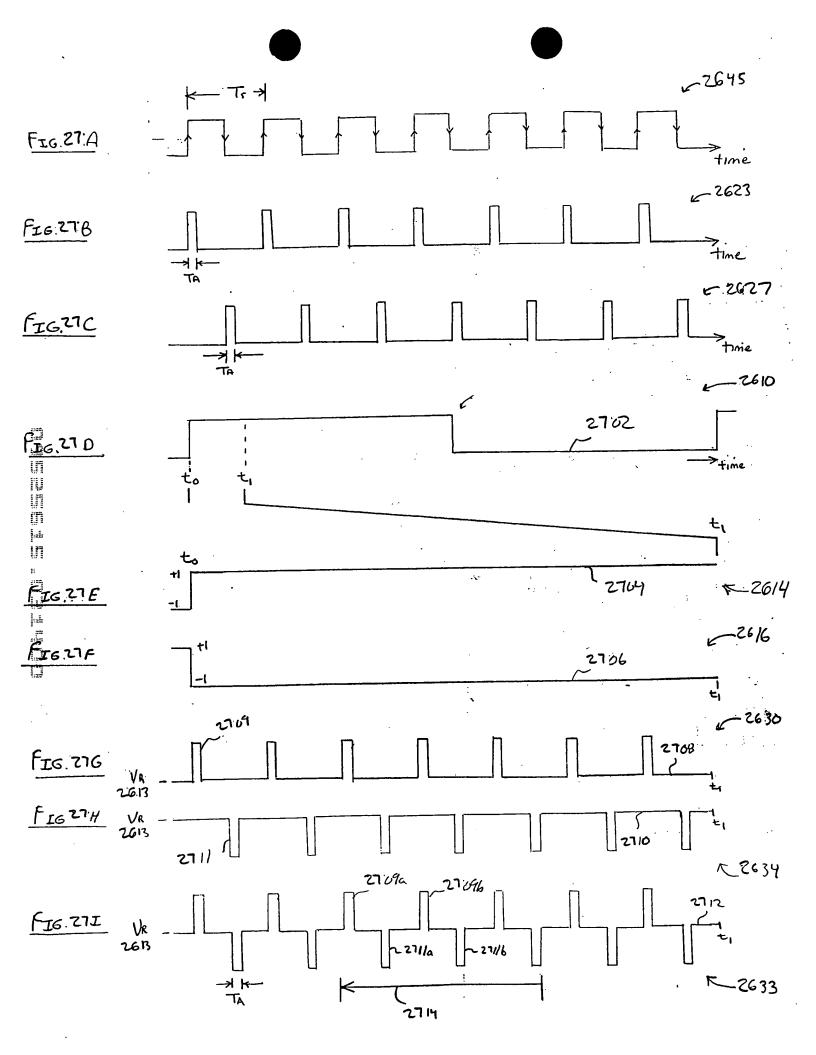








13.782 560 SHETTS, FILLER 5 SQU 14.201 50 SHETTS FYE-EXSES 5 SQU 14.201 50 SHETTS FYE-EXSES 5 SQU 14.201 200 SHETTS FYE-EXSES 5 SQU 14.201 15 SQU



COMMETT DITIES

Aperture = 500psFundamental Clock = 200Mhz (5th Subharmonic)

Square Wave Frequency = 200Mhz

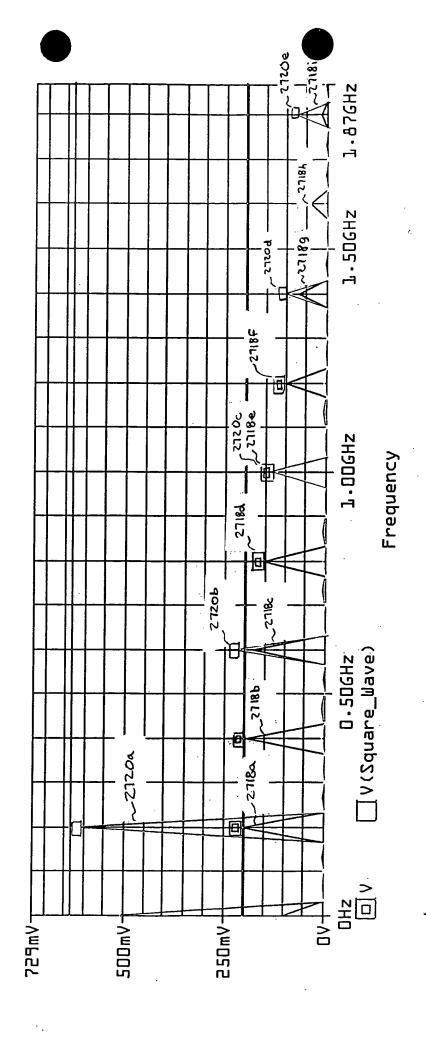
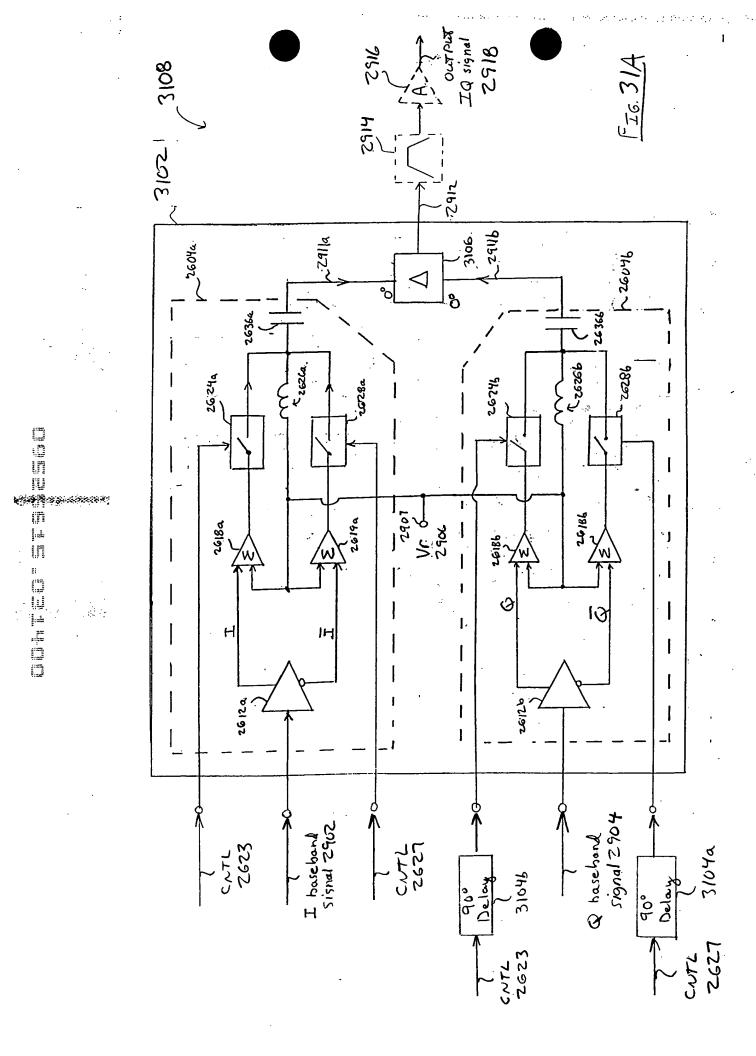
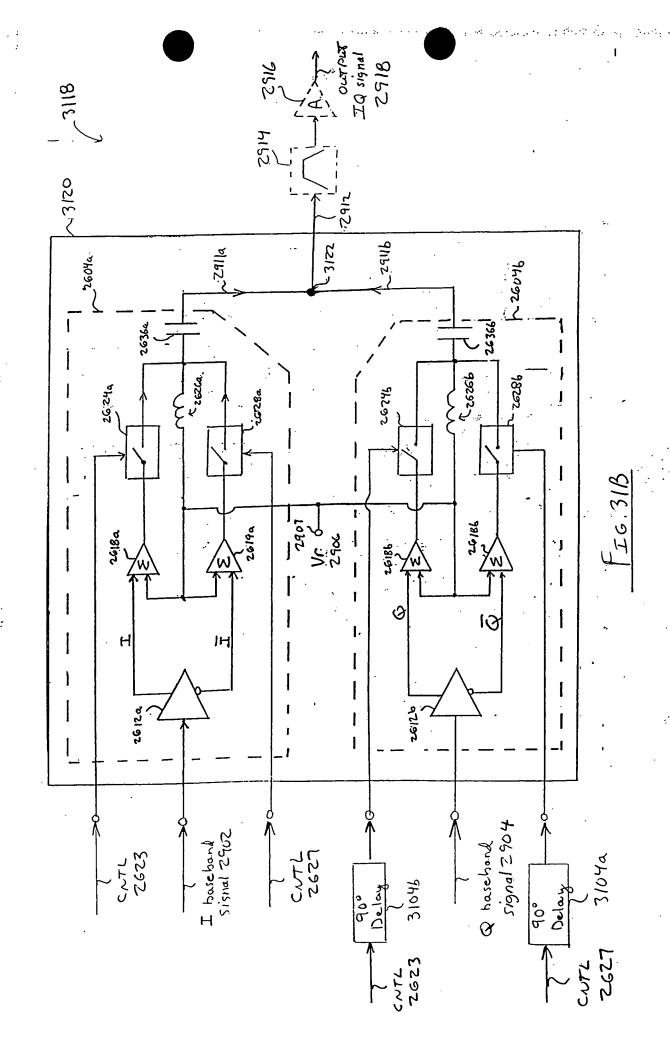
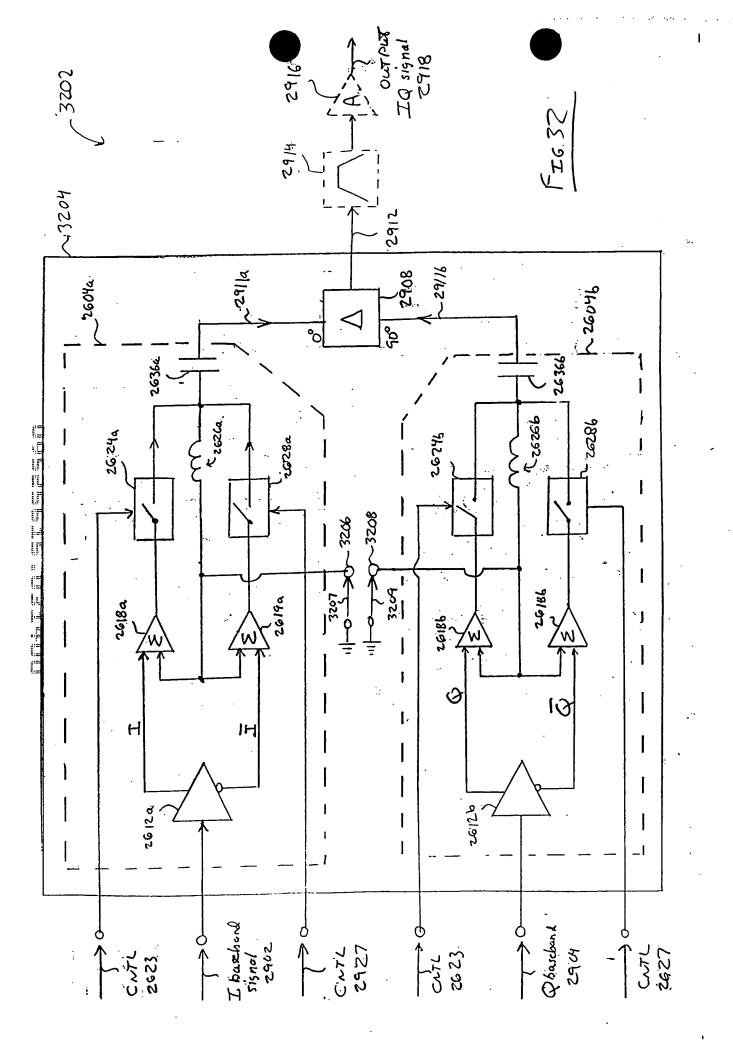


FIG. 27)







THE HE WIS THE THE WIS THE THE

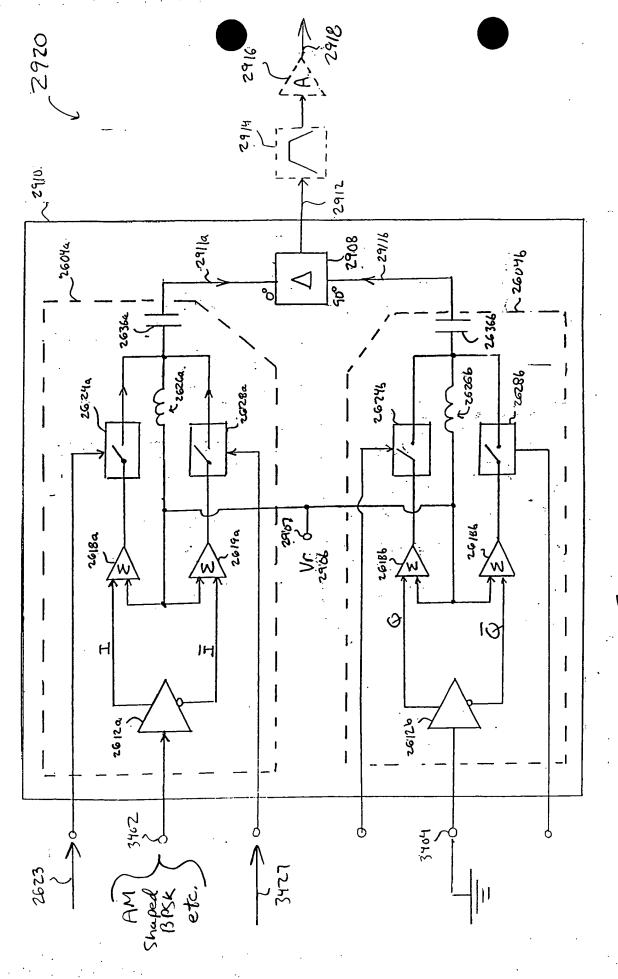


FIG 34A

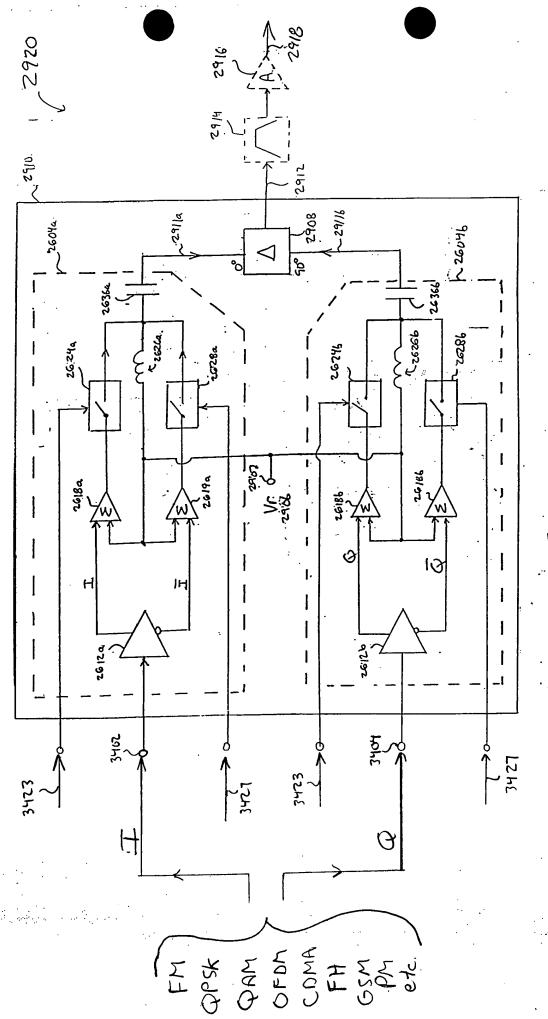


FIG 34B

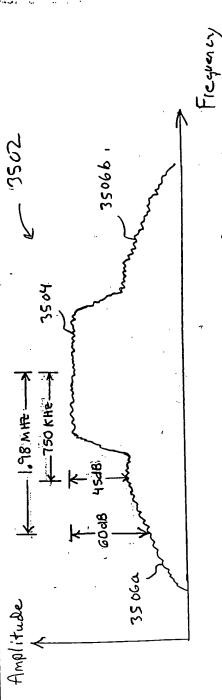
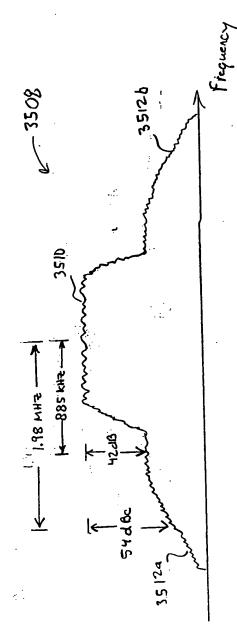
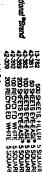


FIG. 35A: Bacse Station IS-95 Requirements



FIE, 35B: Mobile IS-55 Requirements



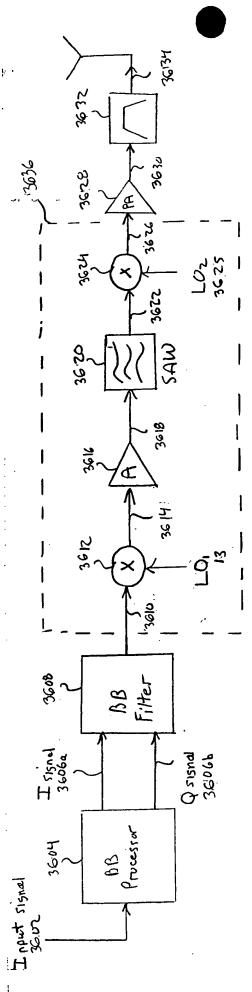


FIG. 36 :

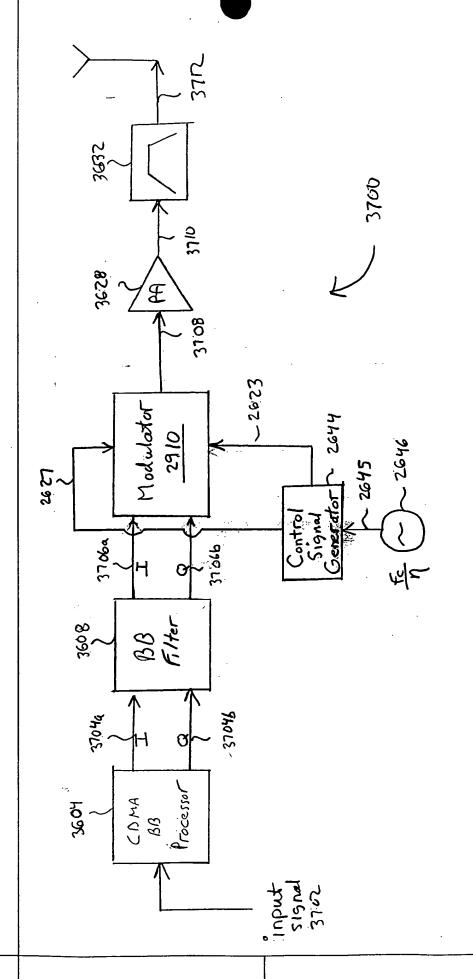
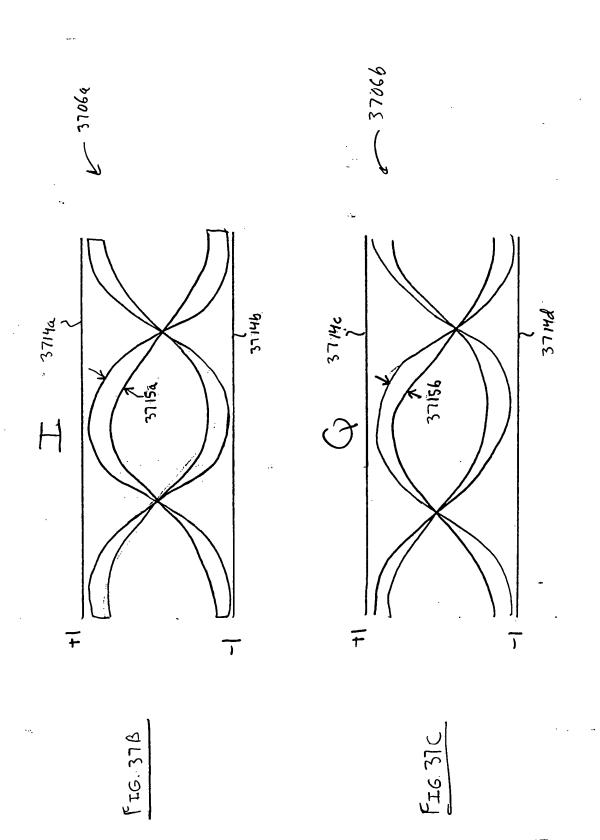


FIG. 37A & CDMA Transmitter





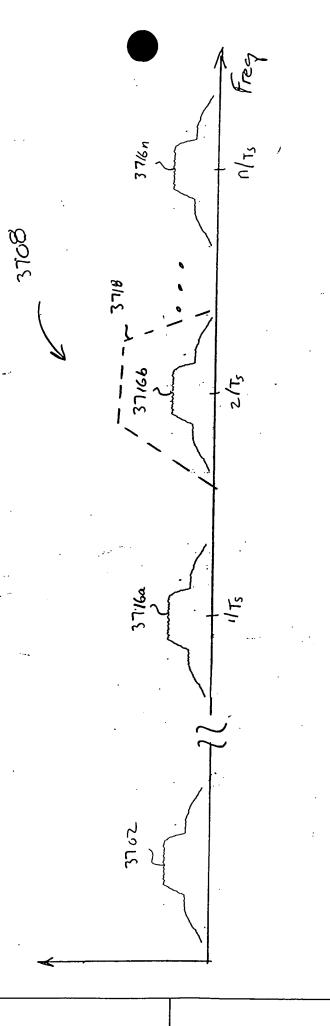


FIG. SIE



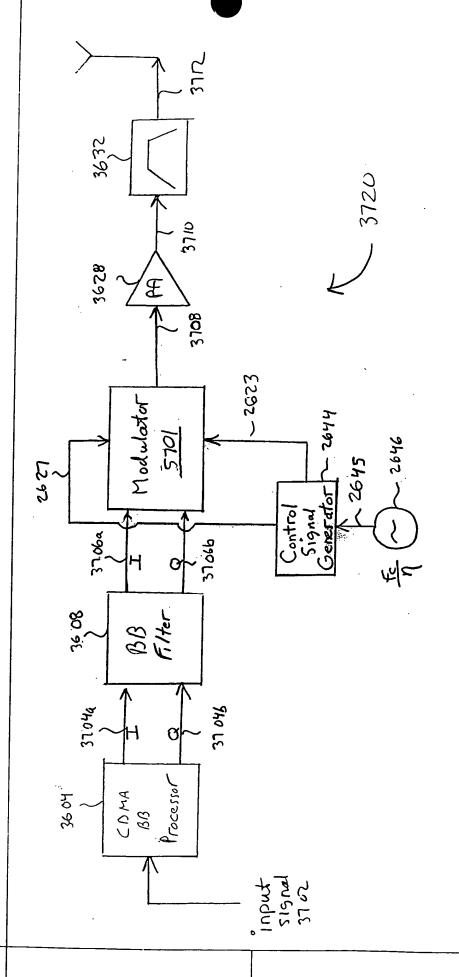


FIG: 37F CDMA Transmitter



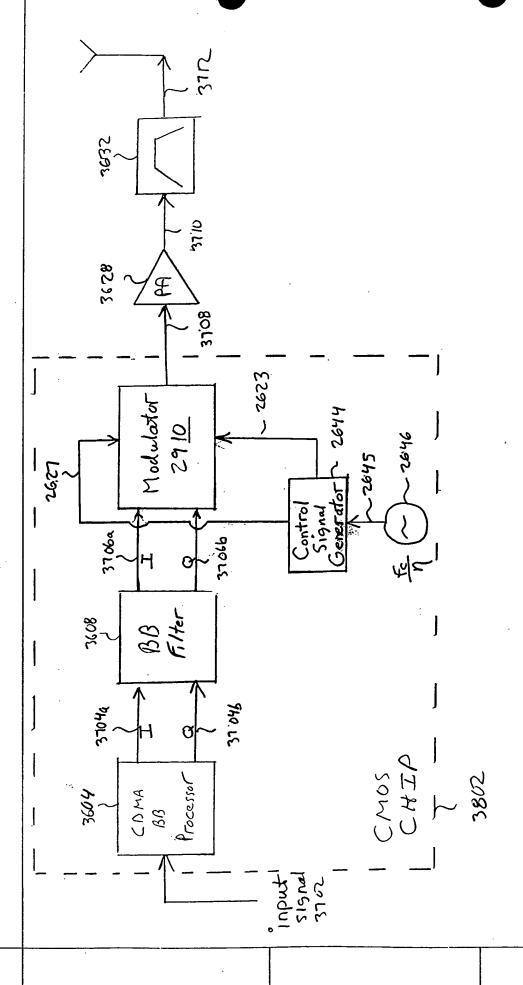
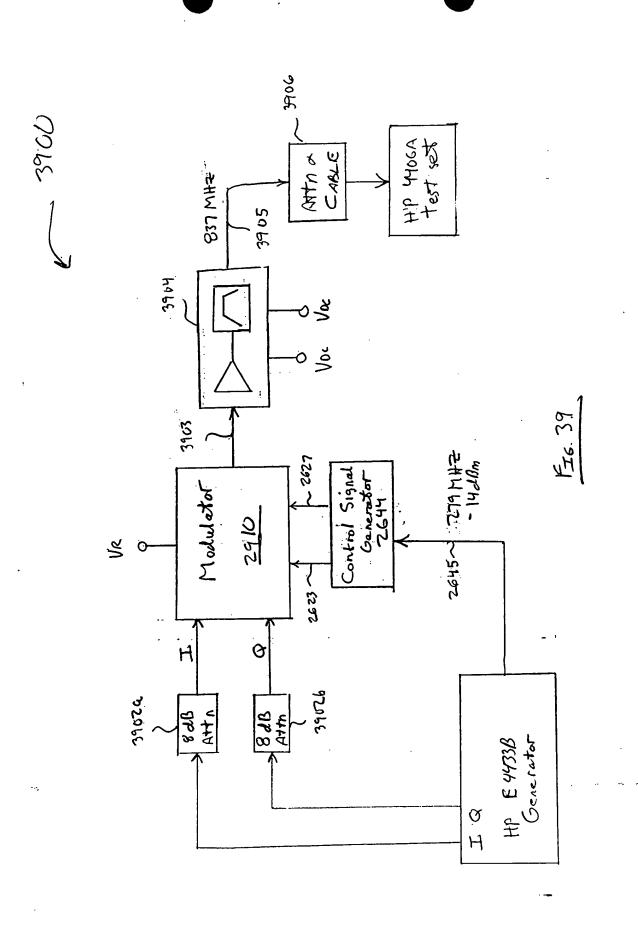


FIG. 38: CDMA CMOS CHIP





Base Station

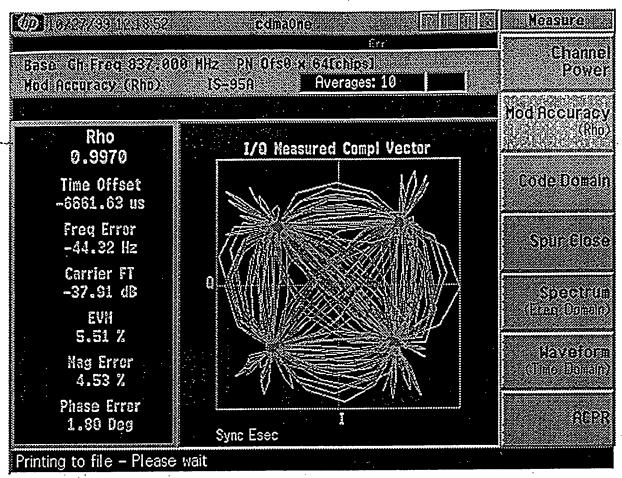
0.9970 RHO EVM 5.51% FIG. 40 PHASE ERROR 1.80° 4.53% MAGNITUDE **ERROR**

-37.91 dB **CARRIER** INSERTION

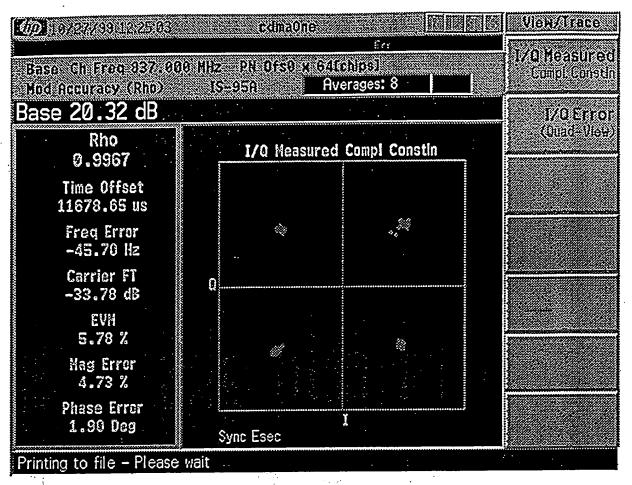
PA POWER OUT 28.06 dBm

•	LOW	MIDDLE	HIGH	
RHO	0.9892	0.9969	0.9892	
EVM	10.39%	5.54%	10.39%	
PHASE ERROR	4.47°	2.24°	4.08°	
MAGNITUDE ERROR	6.84%	4.21%	8.27%	
CARRIER INSERTION	-40.15 dB	-44.58 dB	-35.27 dB	
PA POWER OUT	27.36 dBm	28.11 dBm	27.55 dBm	

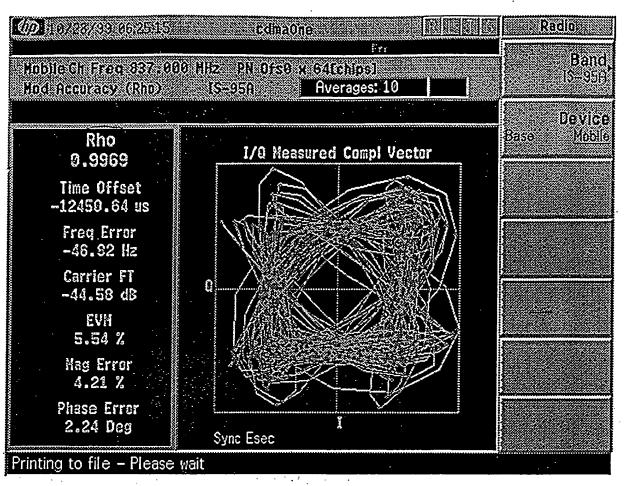
- 28 PAINS 19.



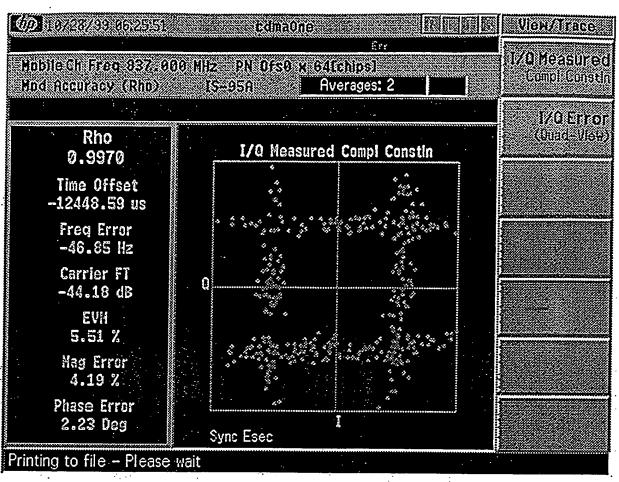
Base Station Constellation for Pilot Channel Test



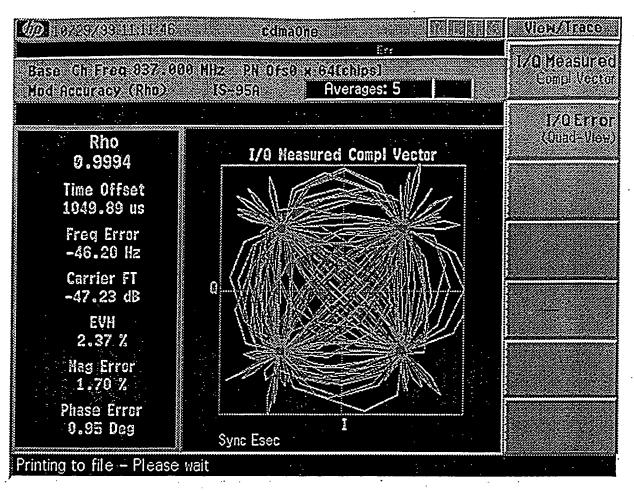
Base Station Sampled Constellation



Mobile Station Constellation for Access Channel Test

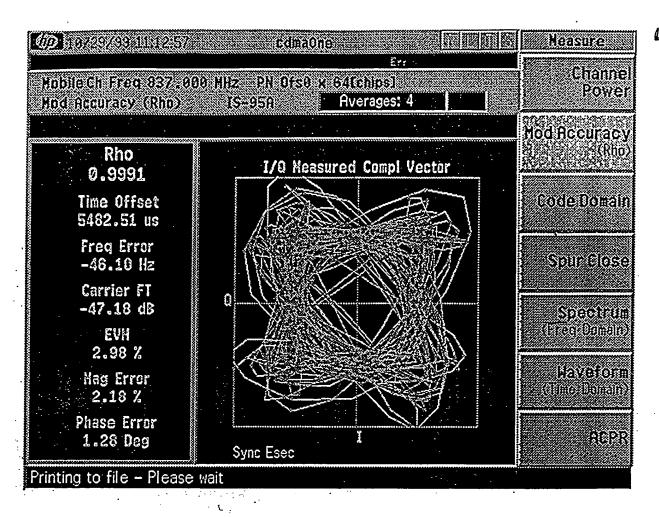


Mobile Station Sampled Constellation



Base Station Constellation using only H/P Test Equipment

Commission of the contract of



Mobile Constellation using only H/P Test Equipment

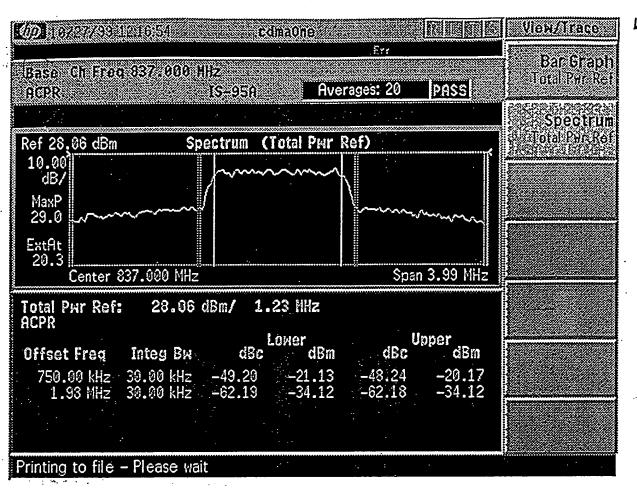


FIG. 48

(ip) 10/27/99/12/16/21 cdmaOne		Neasure
Base Ch Freq 937:000 HHz ACPR [S-95A Averages: 12	PASS	Channel Power
Ref 28,08 dBm Bar Graph (Total Pwr Ref)	H00	l Accuracy (Rho)
MaxP		ode Domain
ExtAt		SpunClose
Total Pwr Ref: 28.08 dBm/ 1.23 HHz ACPR Lower Upper		Spectrum requipment
Offset Freq Integ Bw dBc dBm dBc 750.00 kHz 30.00 kHz -49.23 -21.15 -48.20 1.93 MHz 30.00 kHz -62.15 -34.07 -62.14	dBm -20.12 -34.06	Haveform Inc Domain
Printing to file - Please wait		Specific PR

Base Station Spectral Response with Mask

PIG. 49

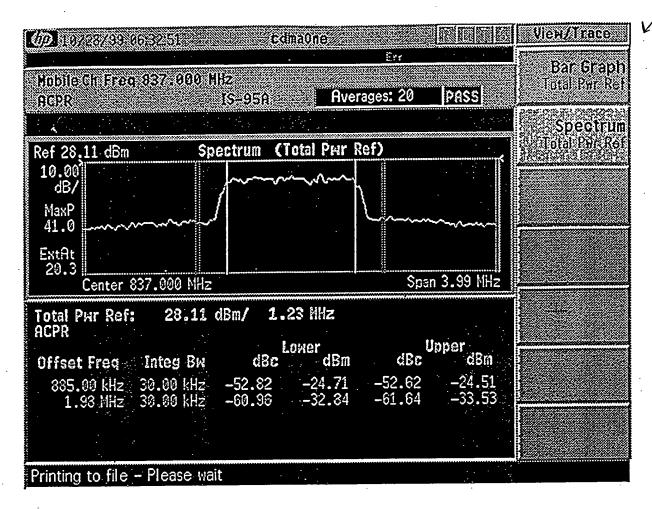


FIG. 50

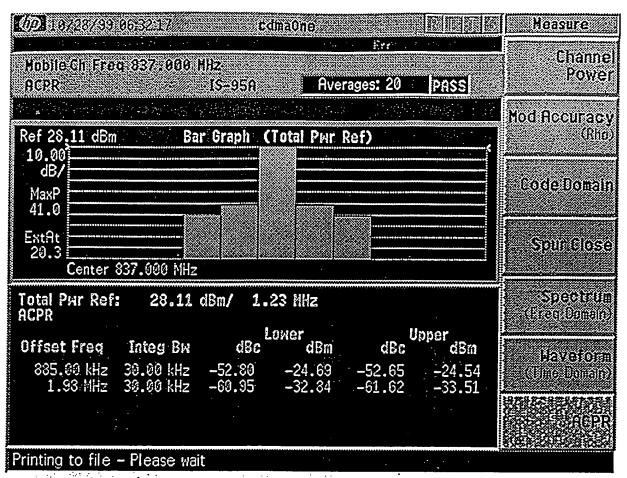
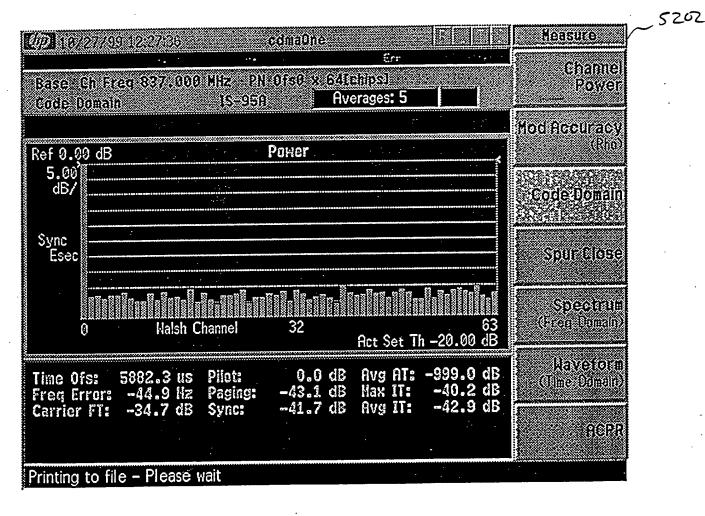


Figure 3.2-2 Mobile Station Spectral Response with Mask

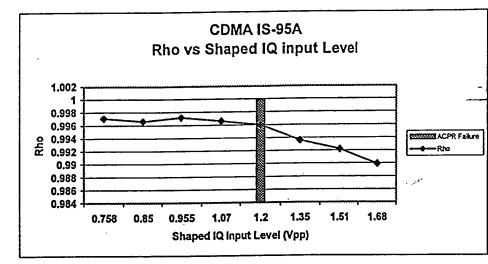
PIG. 51



CDMA Crosstalk

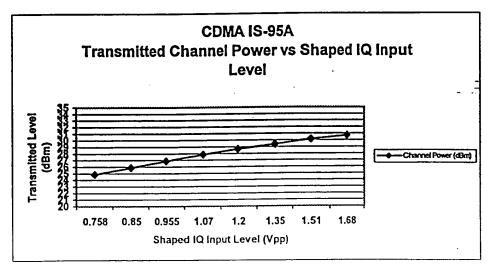
FIG. 52A

Sequence for IQ Input Level Variance









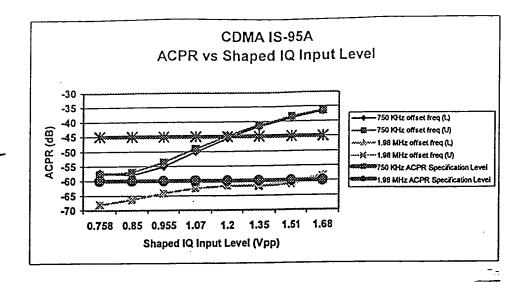


FIG 52D



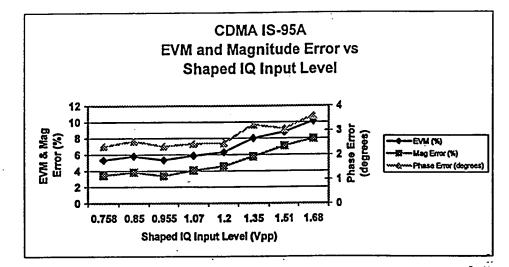
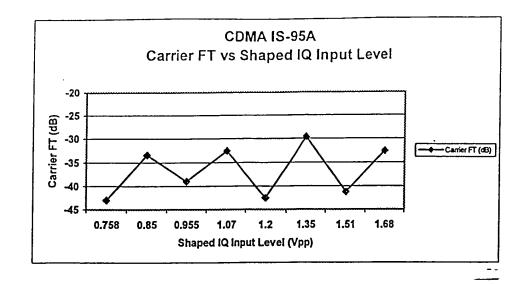
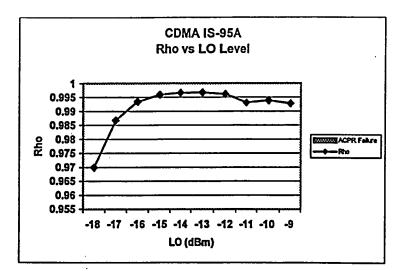


FIG. 52F

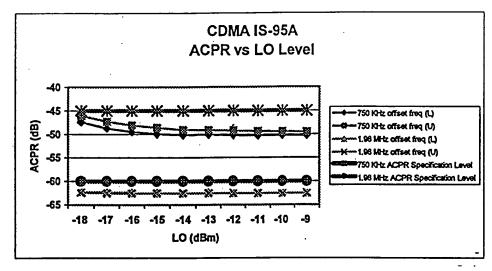


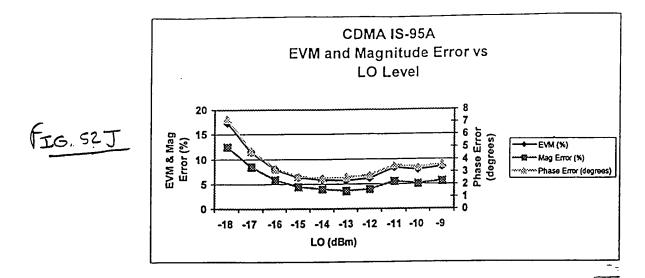
Sequence for LO Variance



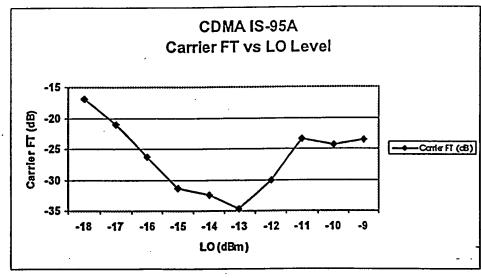








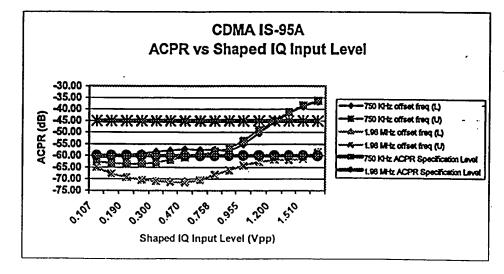




CDMA IS-95A Carrier FT vs Shaped IQ Input Level -20.00 Carrier Ed (dB) -30.00 -35.00 -40.00 - Carrier FT (dB) -45.00 0.376 0.600 1.070 Shaped IQ Input Level (Vpp)

FIG. 52L

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CDMA IS-95A Rho vs Shaped IQ input Level 1.000 0.998 0.996 0.994 ACPR Failure و 0.992 و 0.992 0.990 0.988 0.986 0.984 Shaped IQ Input Level (Vpp)

5.00

4.00

0.00

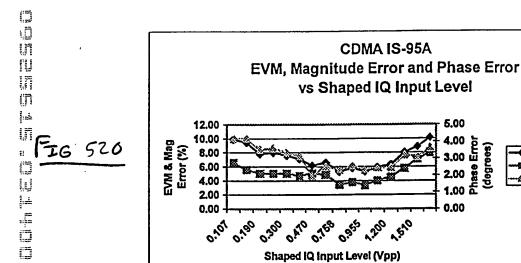
4.00 L 3.00 L 2.00 Se 1.00 L

(seaugep)

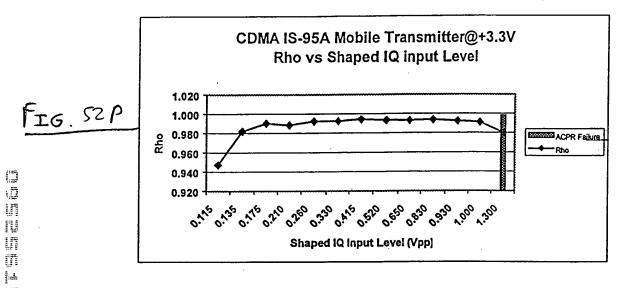
EVM (%)

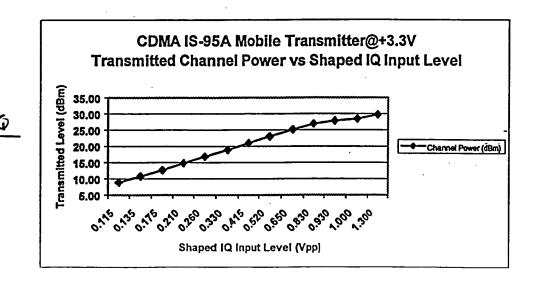
Mag Error (%) Phase Error (degre

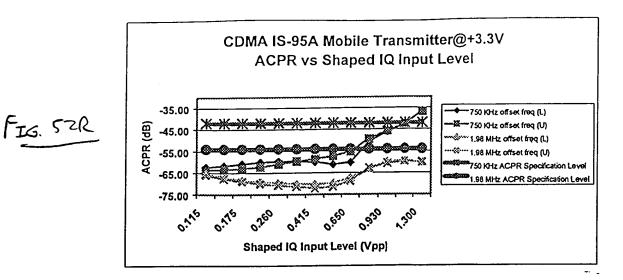
FIG. SZN



Sequence for IQ Input Level Variance









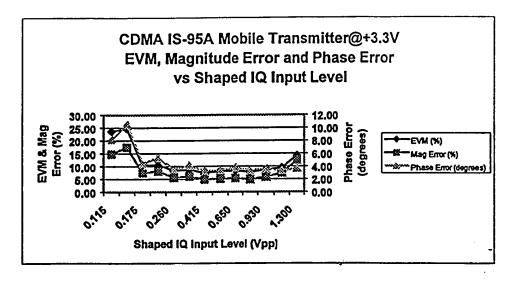


FIG. 52T

ĻF

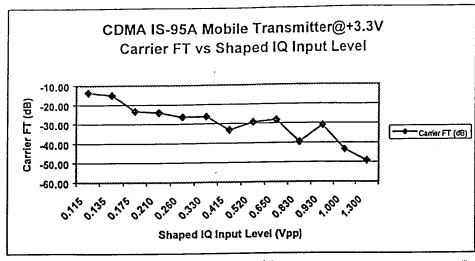


Figure 3.6-5

Sequence for LO Variance

FIG. 524

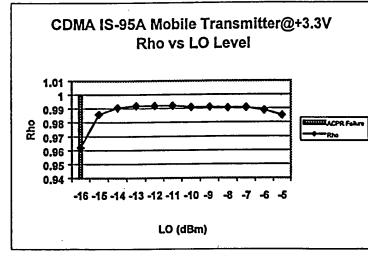
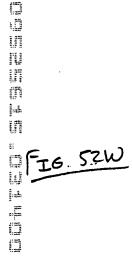
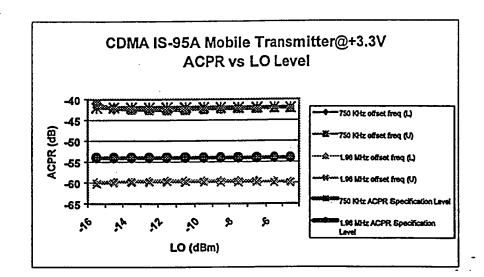


Figure 3.6-6

FIG. 52U





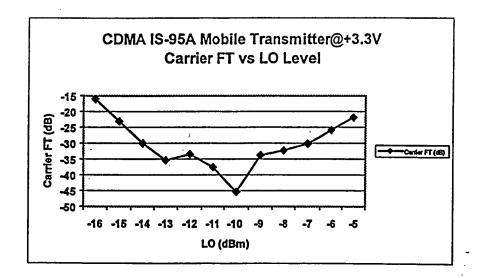
CDMA IS-95A Mobile Transmitter@+3.3V **EVM** and Magnitude Error vs LO Level EVM & Mag Error (%) Phase Error (degrees) 20 EVM (%) 15 "Mag Error (%) 10 Phase Error (degrees) -16 -15 -14 -13 -12 -11 -10 -9 -7 -6 LO (dBm)

FIG. 52X

Company of the transmit of the

13

The first may



Quantity	Description	Voltage	Total Current	Power
2	· Cores	3.3	4mA	13.2mW
2	Baseband Interface Circuits with/BW Limit	3.3	6mA	21.8mW
1	Clock Circuit	3.3	5mA	20.0mW
			Sub Total	54.0mW

FIG. 1522

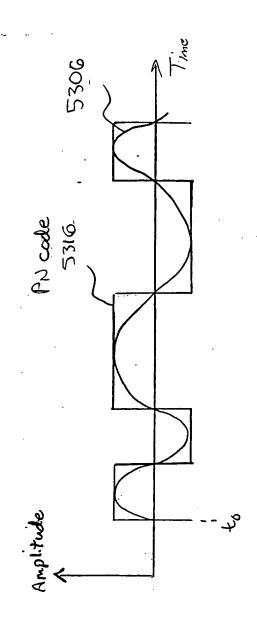
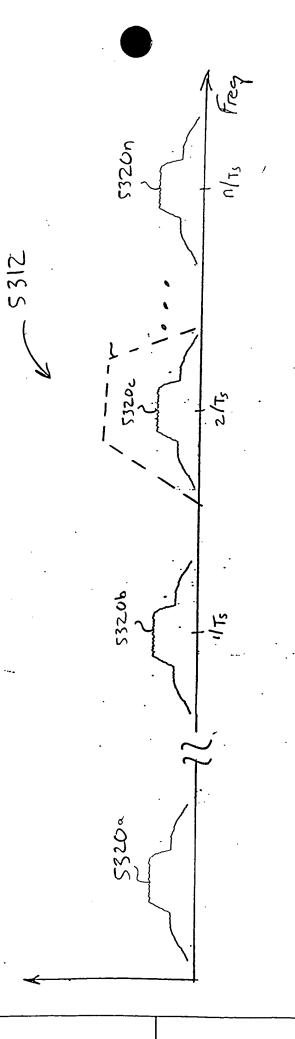


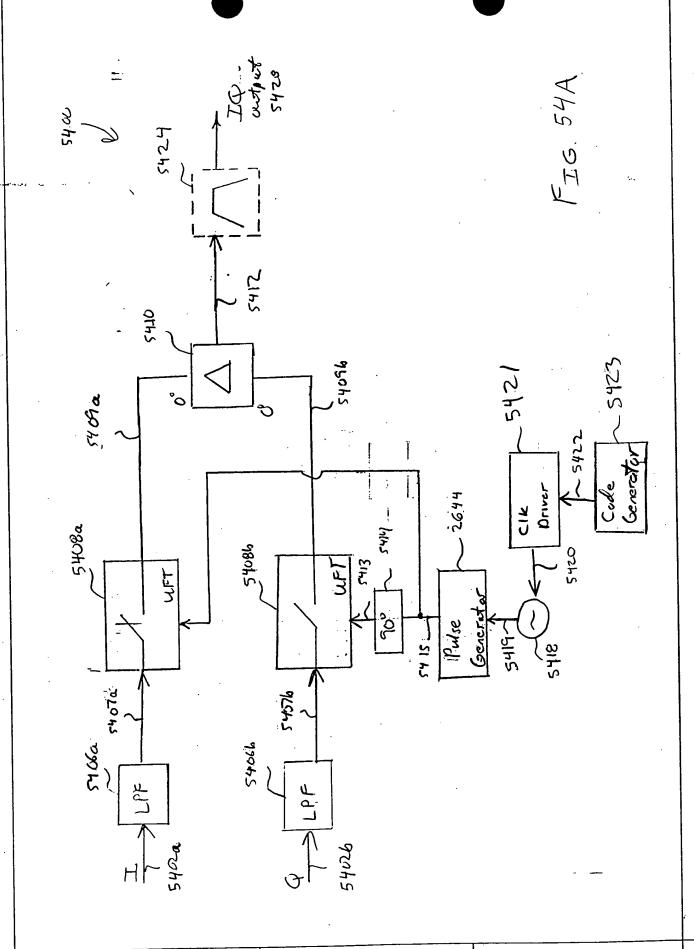
FIG. 53B





Fze. 53c





19.781 BUD PRE IN. ILLUM 51
42.001 89 PRE IN. ILLUM 51
42.002 90 PRE IN. ILLUM 51
42.009 90 PRE IN. ILLUM 51
42.000 90 PRE IN. IL

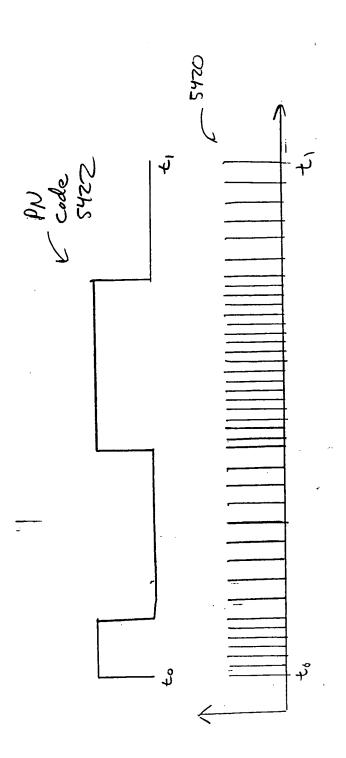
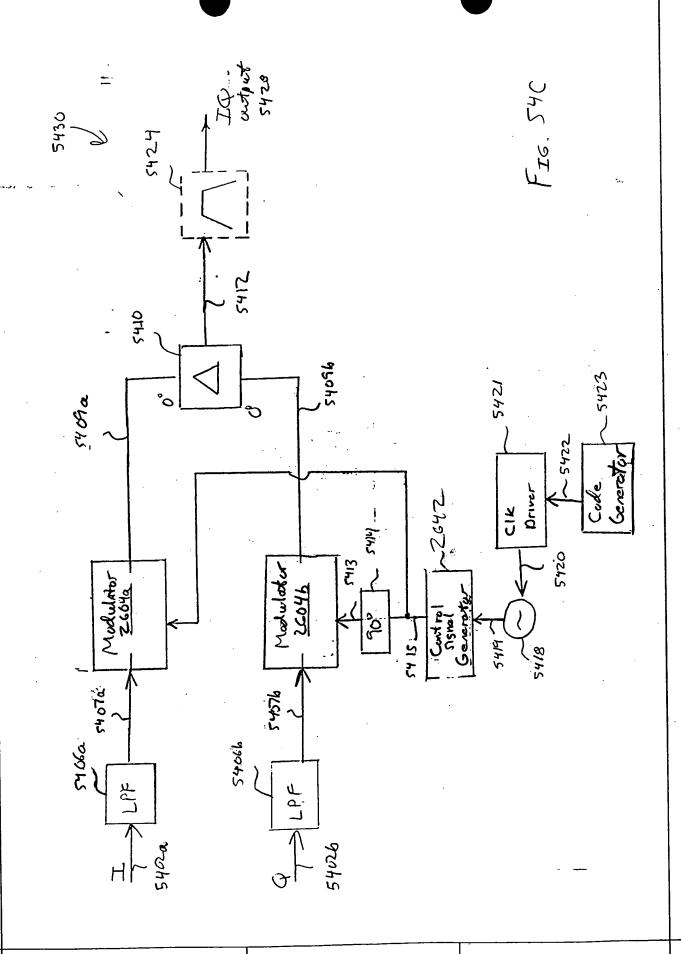
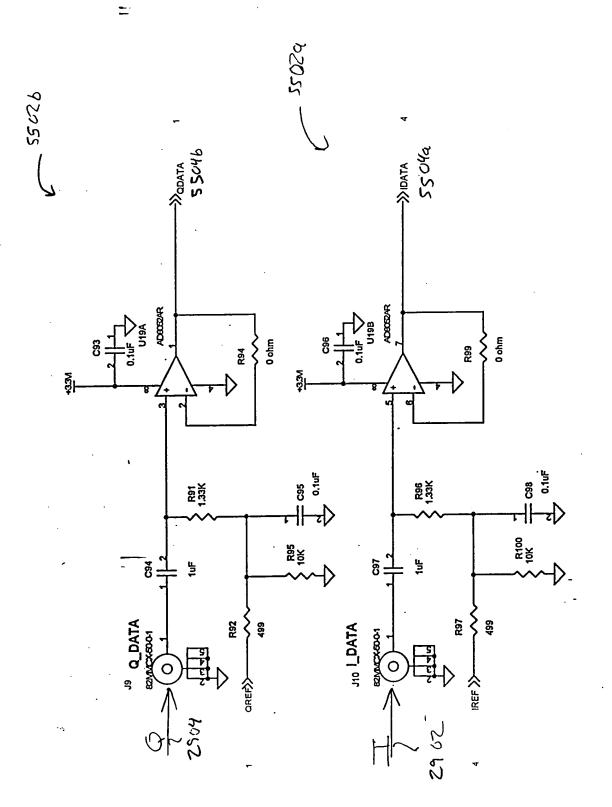


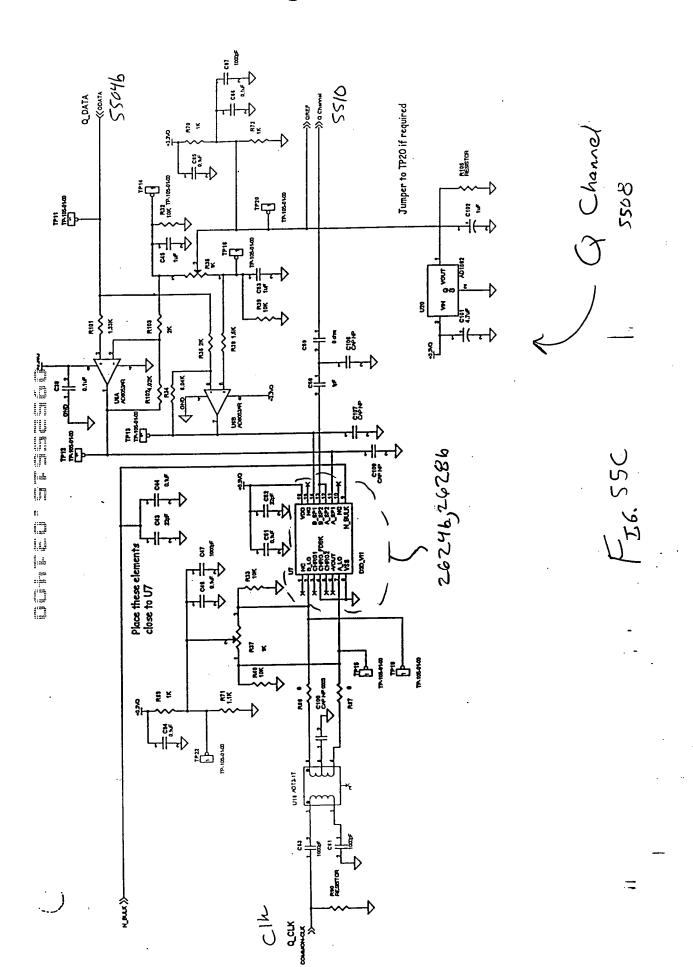
FIG. SYB



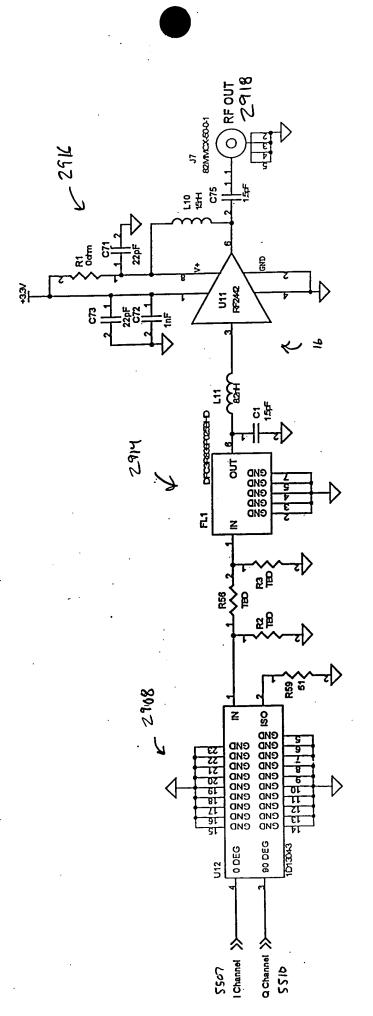
MINOS 5 3104M GTGA/CSBC 665-55 MINOS 5 2557-34.8 8133-6 502 665-55 MINOS 5 2577-34.8 813-6 502 665-55 MINOS 5 2577-34.8 813-6 502 665-55 M



PIE SSA



75 - Zigitin



TC 550

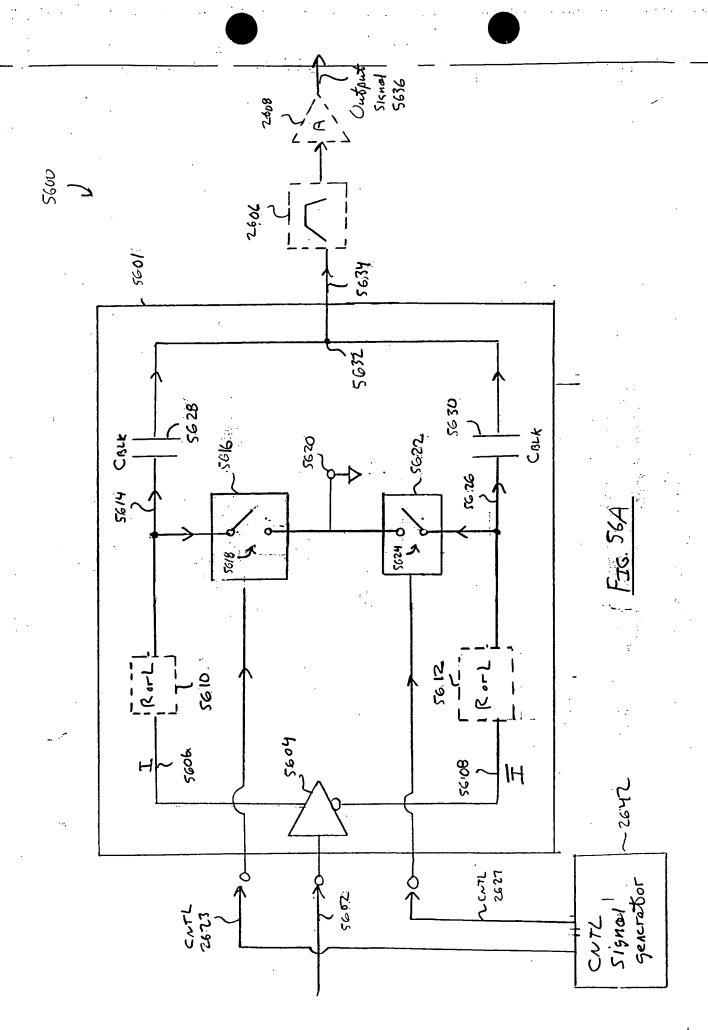


FIG. 156B

56 50n n/Ts S6 50c 3/.75 26 506 2/15 56 50a 1/ 75 5602

26.14

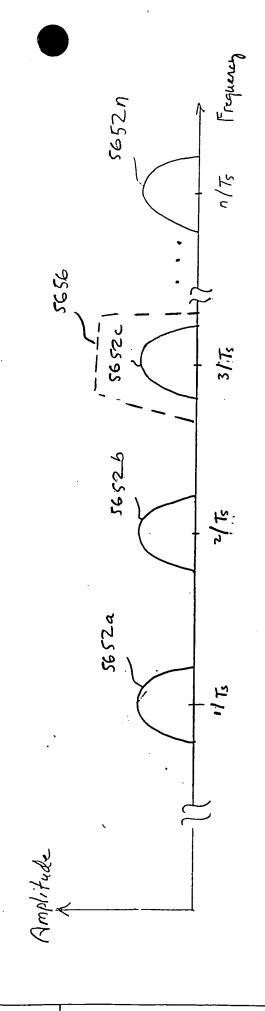
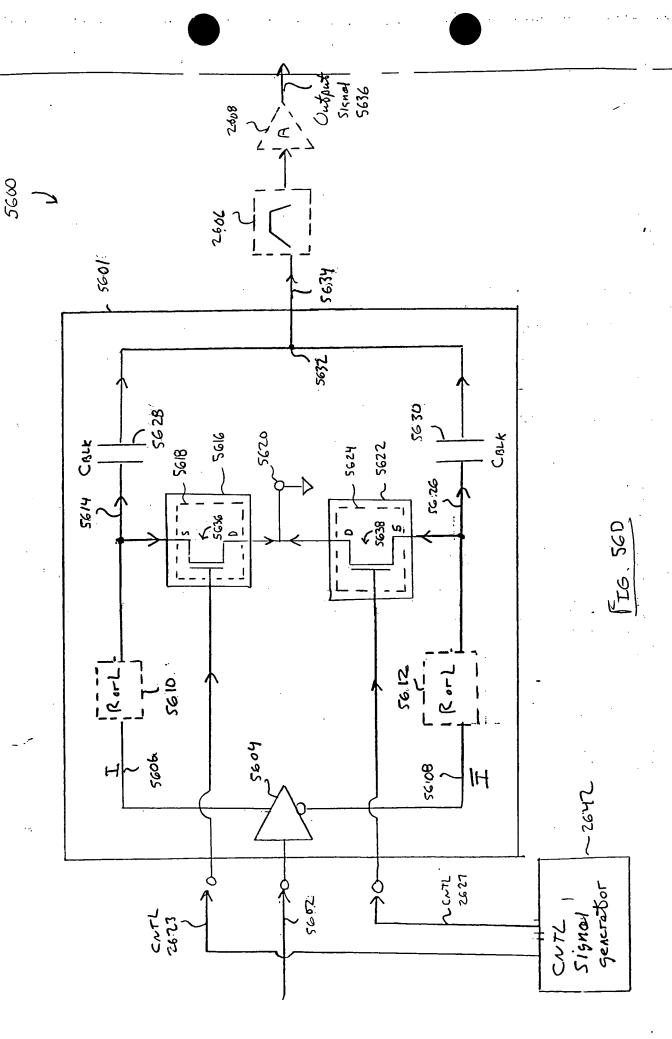
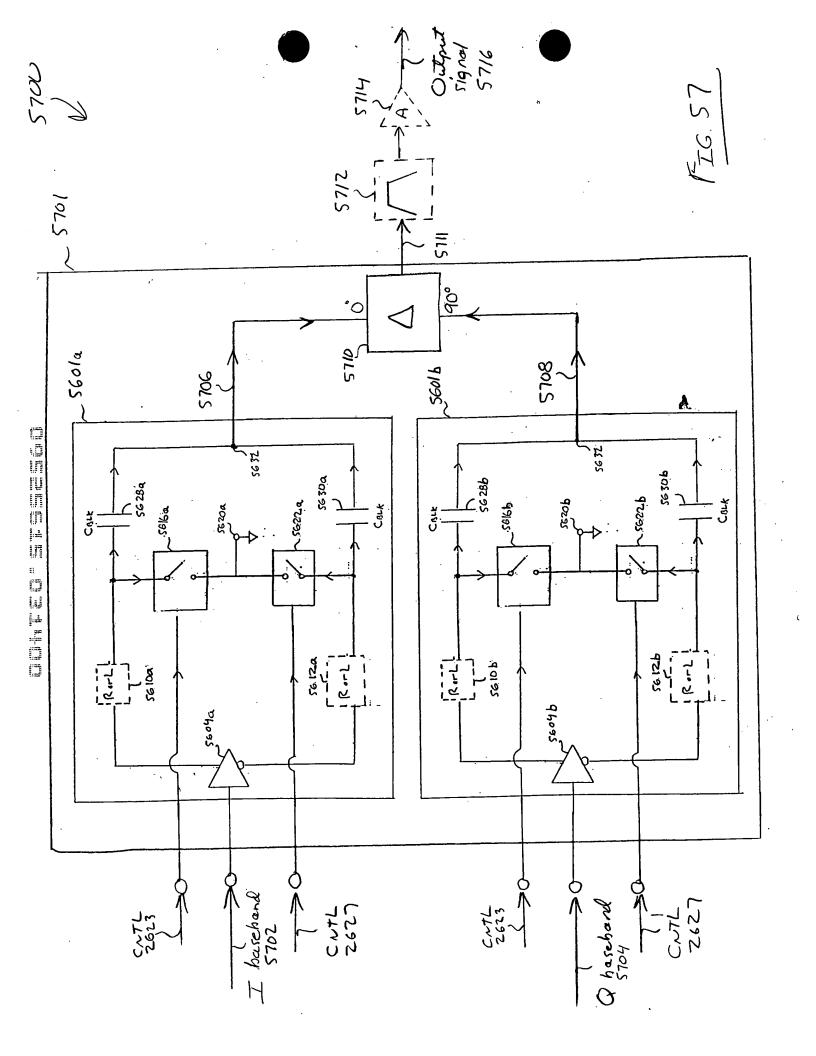
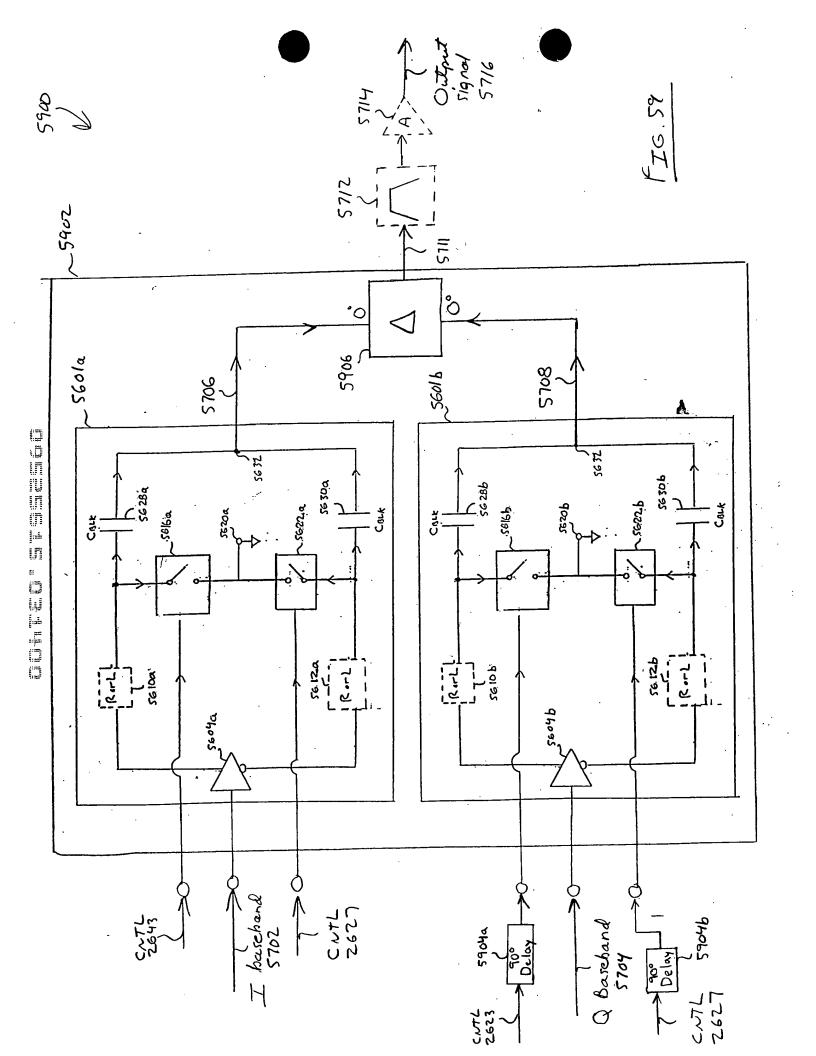


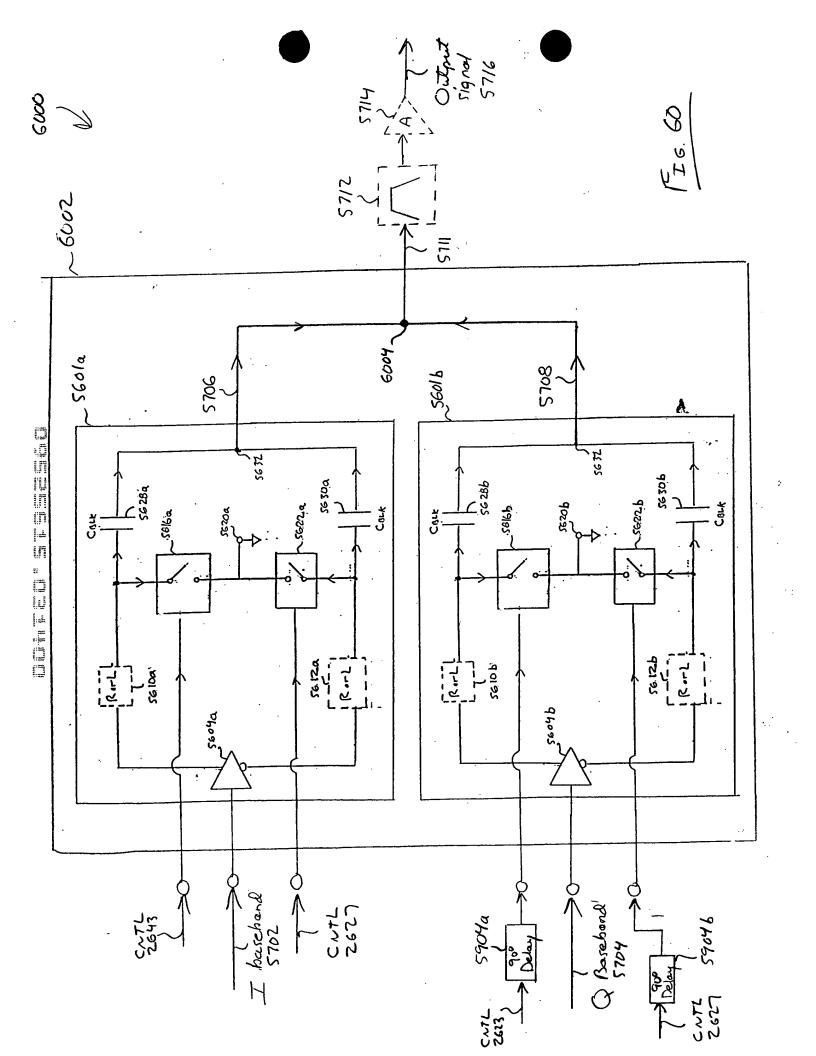
FIG. 56c

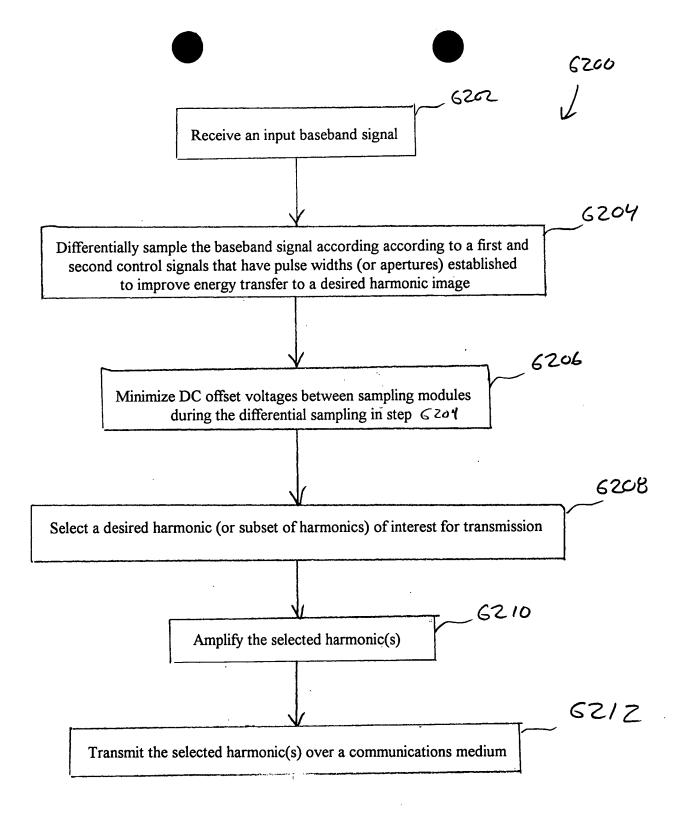
Muldonal Brand 43-98 200 SEETS (EVELOUS SOUND)











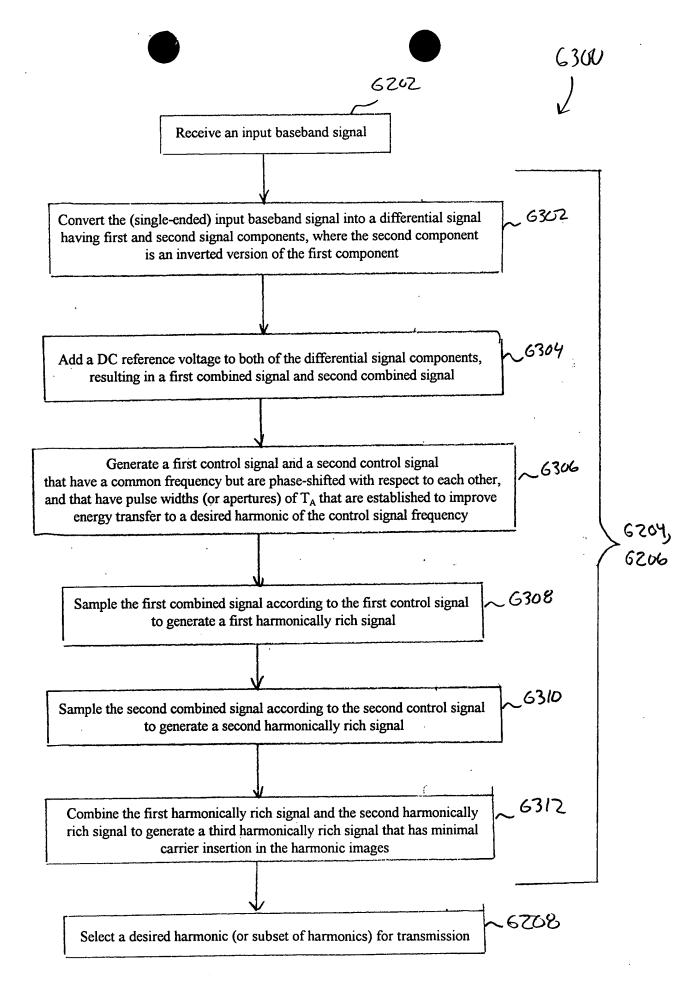


FIG. 63

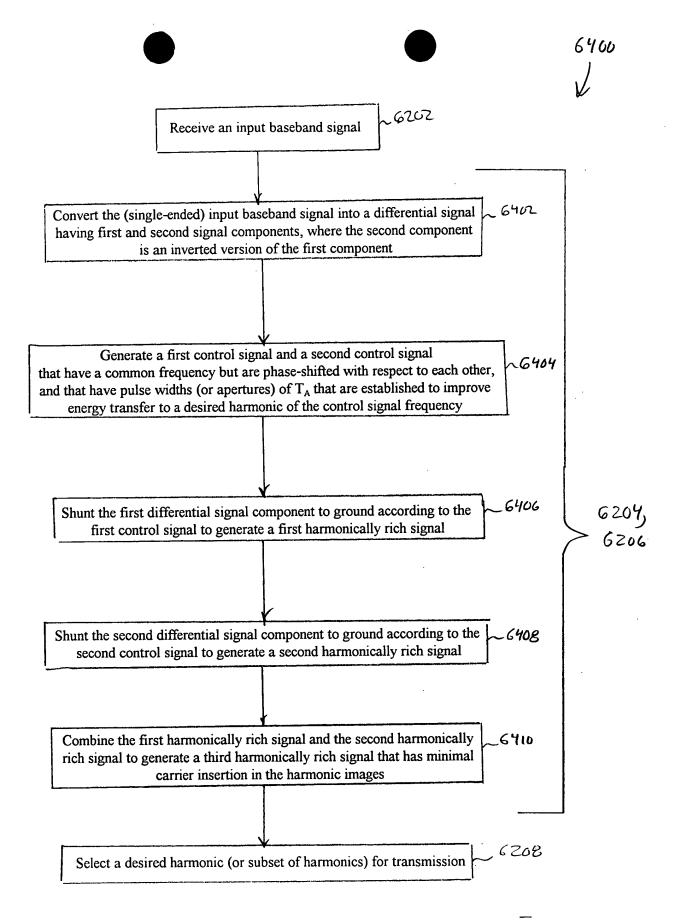


FIG. 64

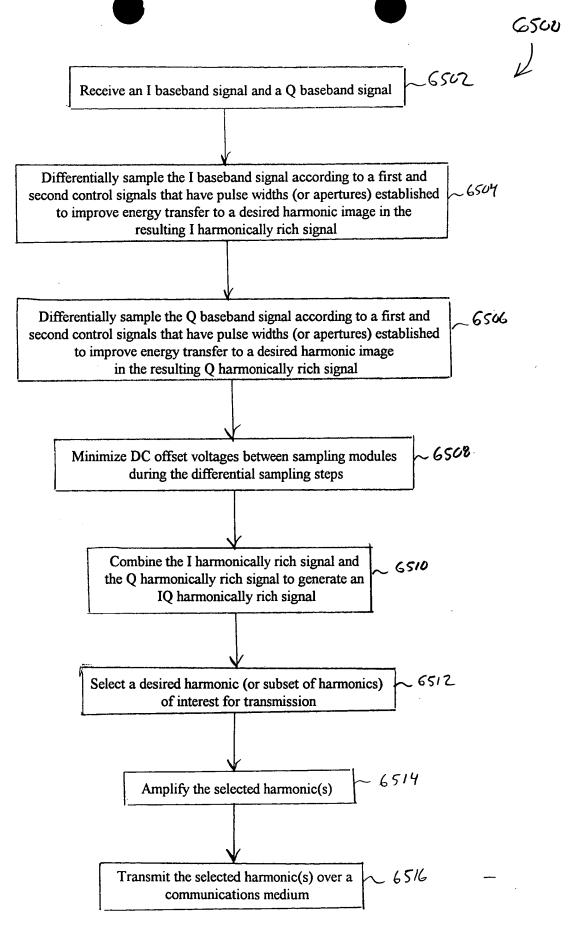
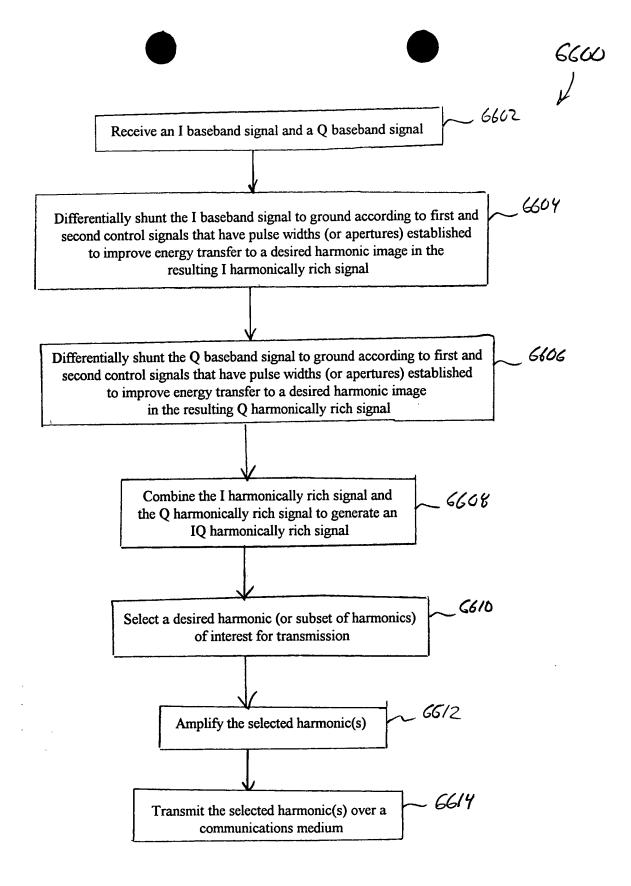
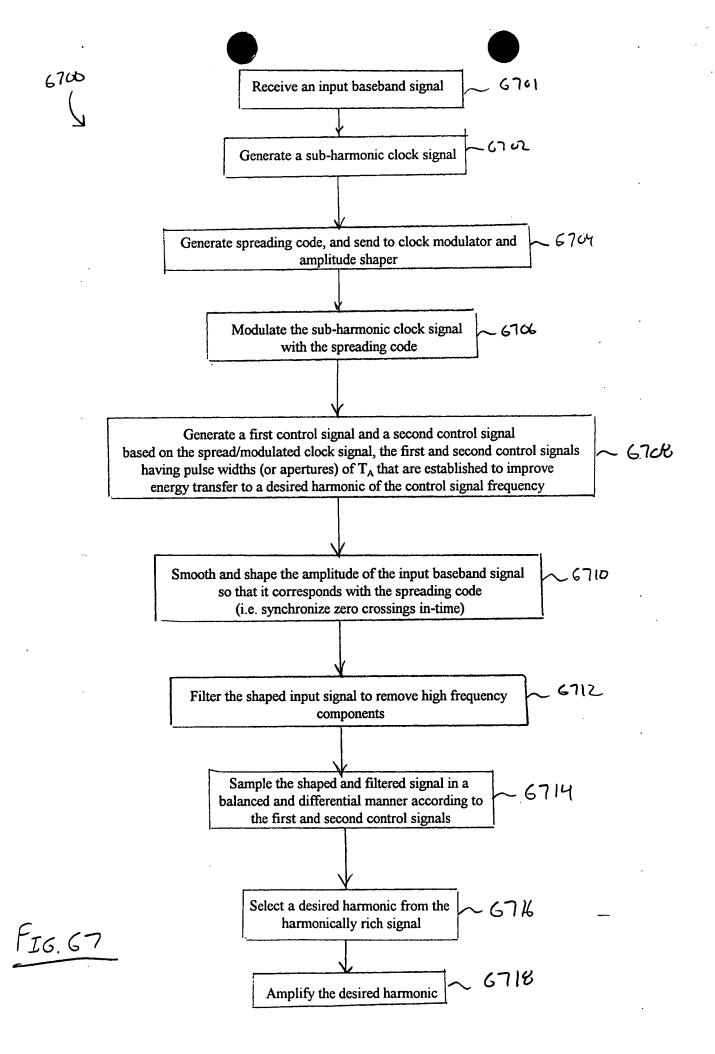


FIG.65





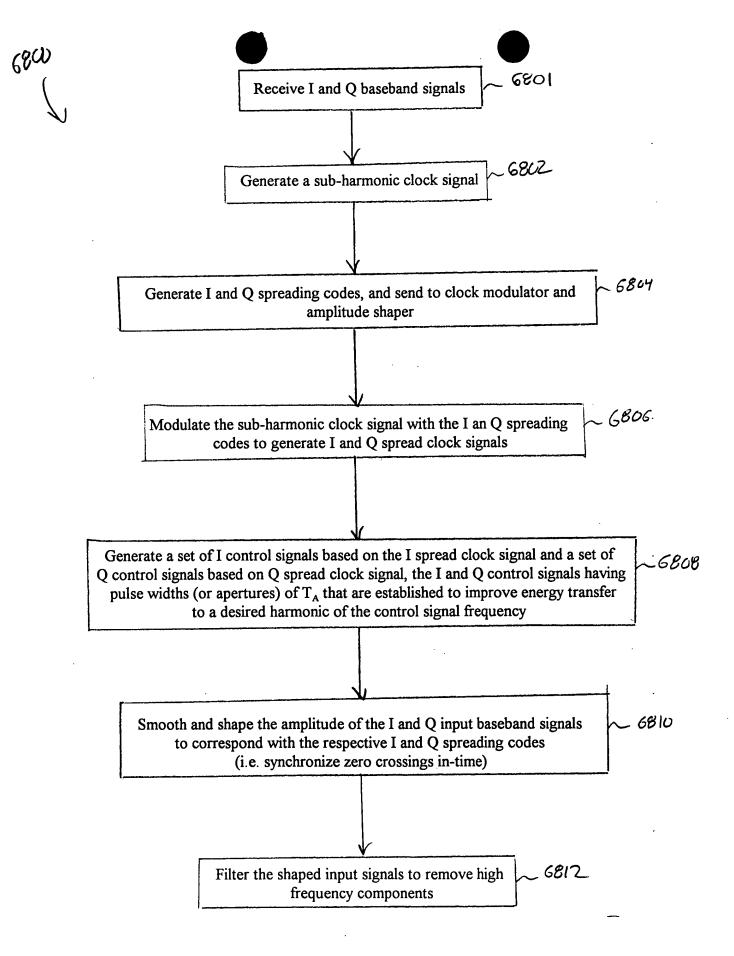
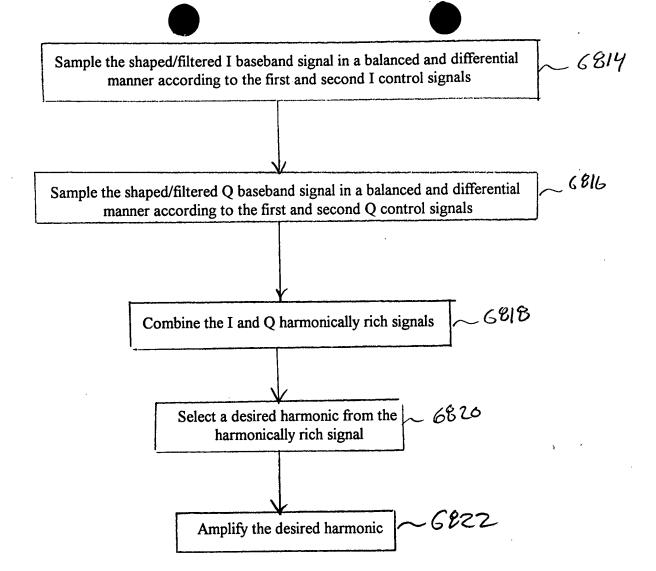


FIG. GBA



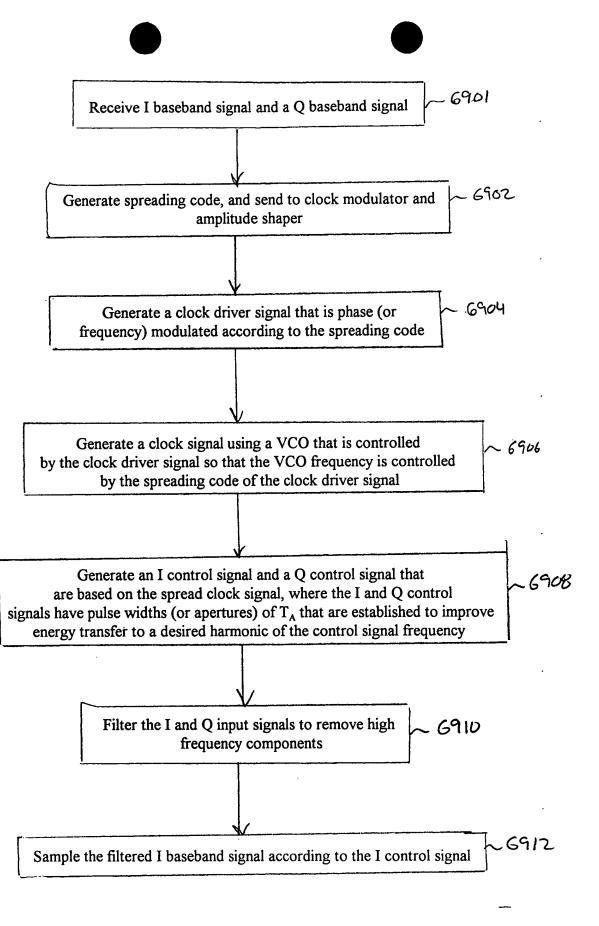
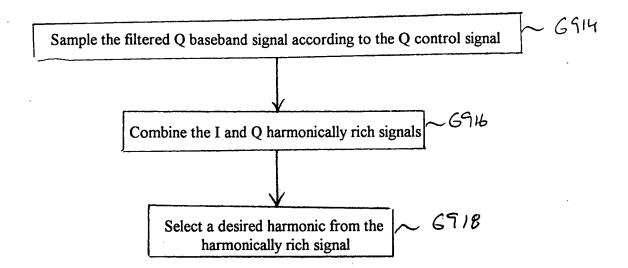


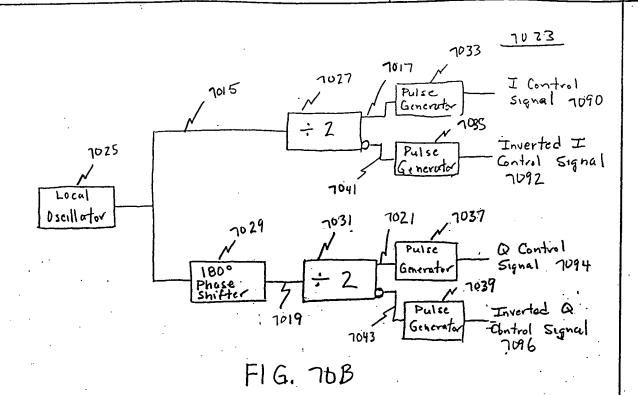
FIG. 69A



and thus then

...

::



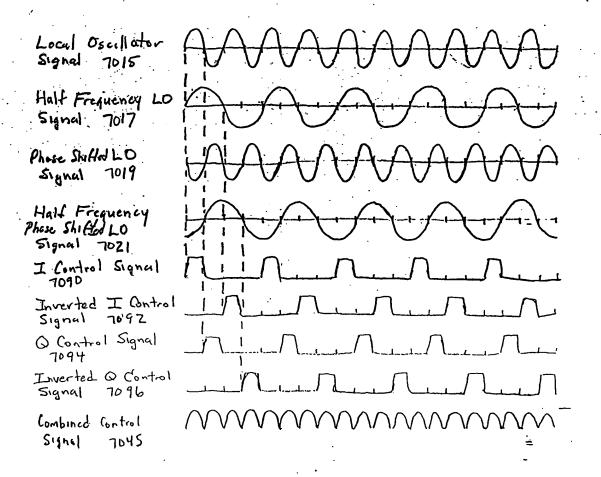
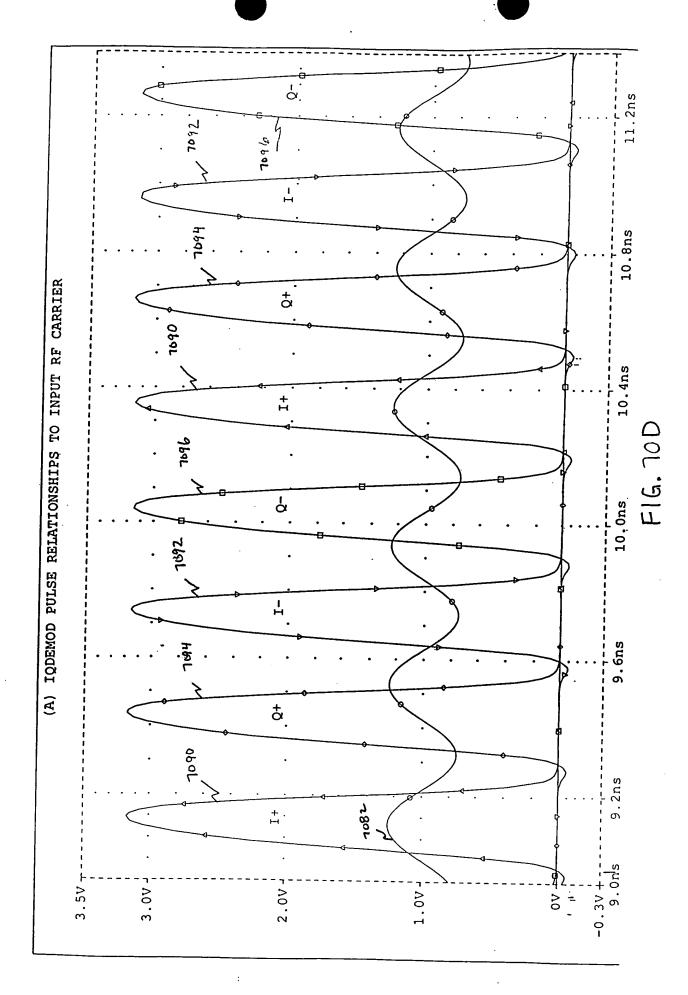
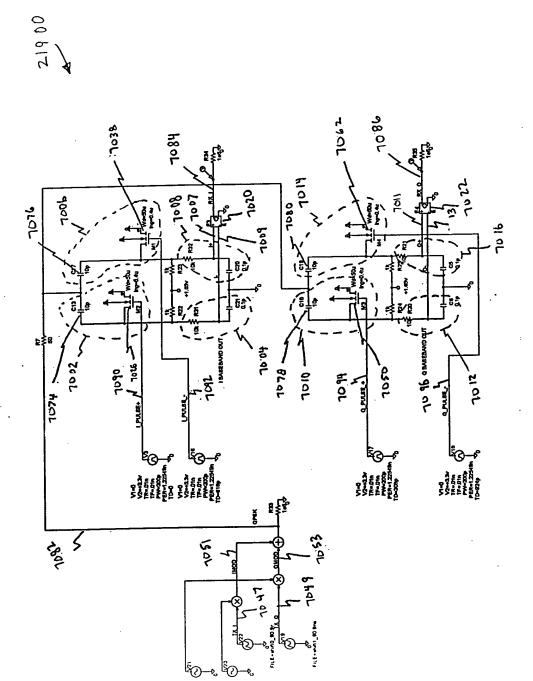
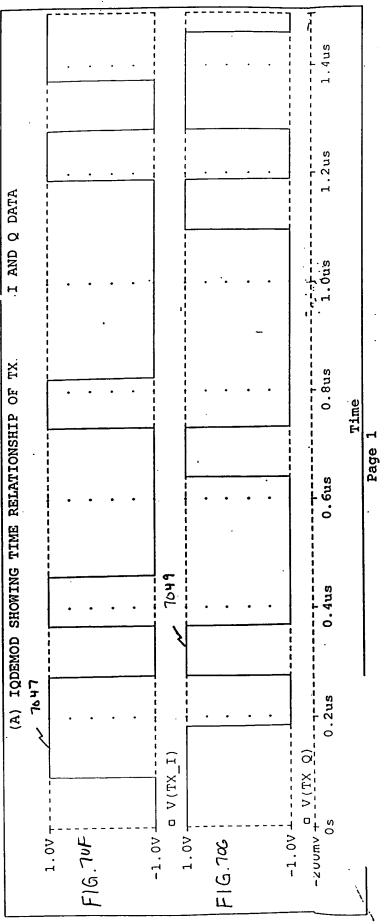


FIG. 70 C

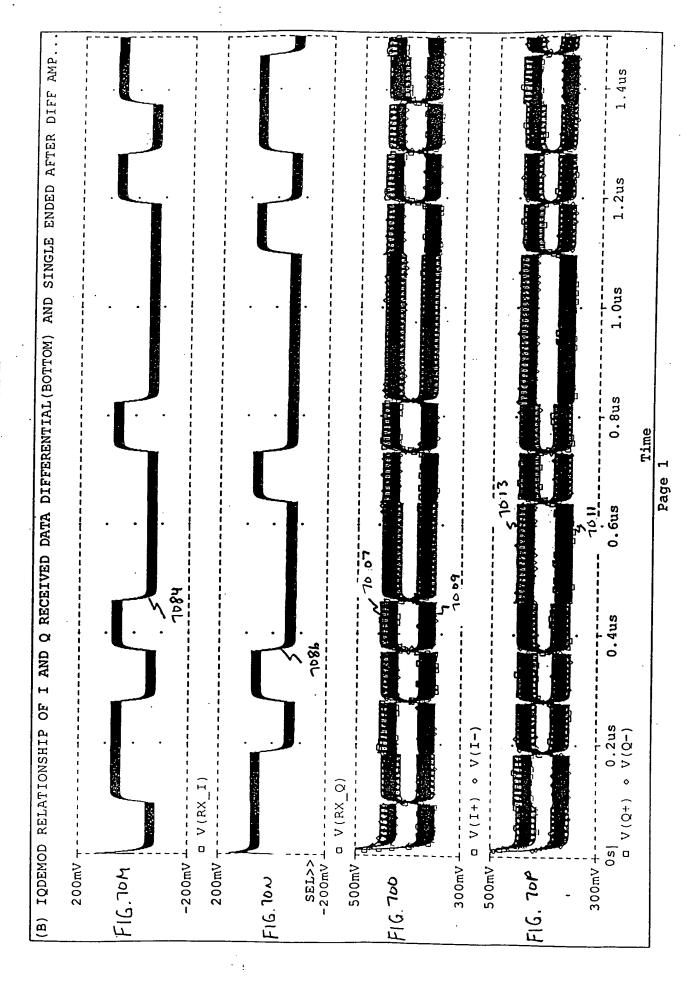




F1G. 70F



Page 1



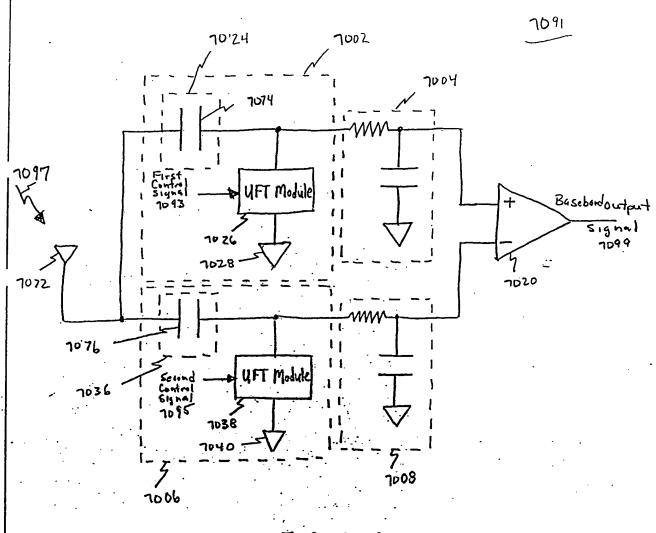
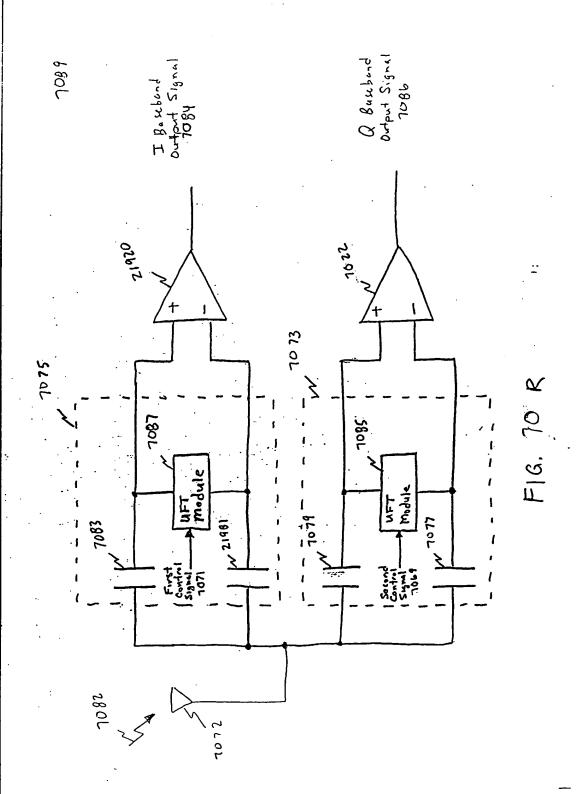


FIG. 70Q



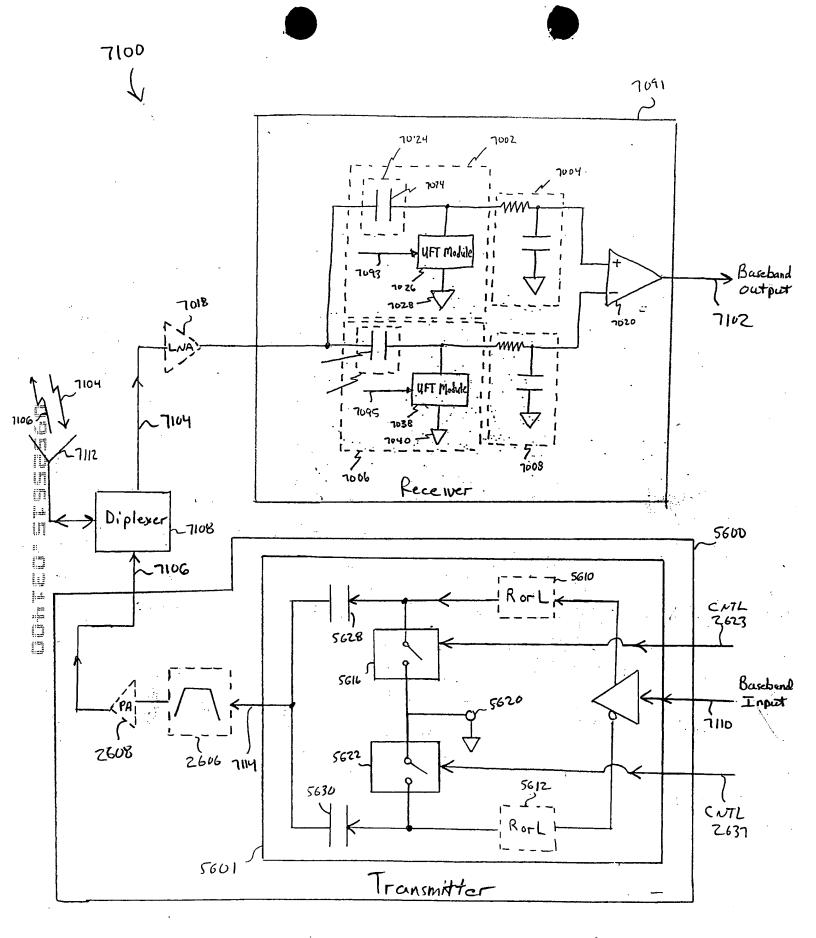
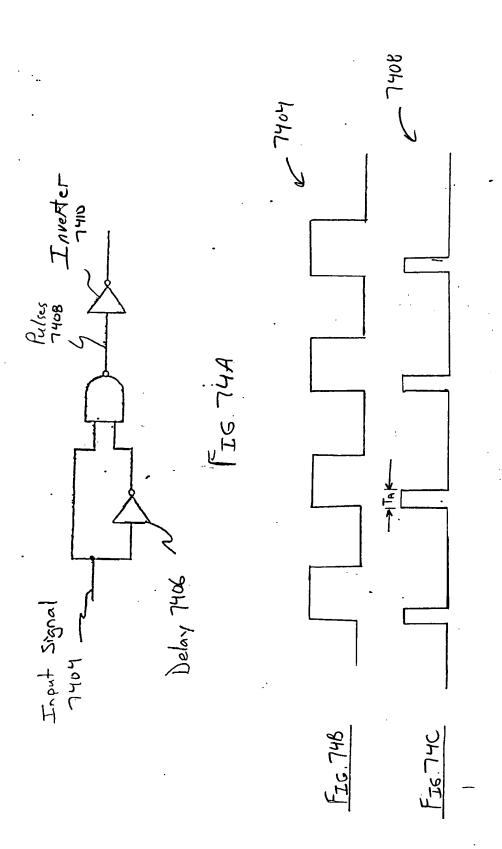


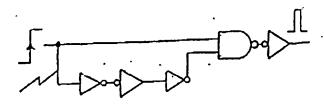
FIG.71: Transceiver

IM

FIG. 73



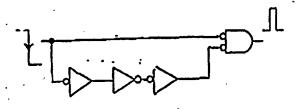




A. rising edge pulse generator

FIG. 740

7416



B. falling-edge pulse generator

FIG. 74E